

# Grouper accessibility

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University of [Colorado accessibility report](#)

[AUL Report](#) (Accessibility and Usability Testing - Office of Info Technology - U of Colorado - Boulder)

Issue #1: [GRP-1380](#): "Add members" displays new content not apparent to a screenreader

```
commit ff831df553c7735d467a004c4f3b537088b861ca
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Sat Oct 22 16:13:20 2016 -0700
    GRP-1380 - Add focus and aria attributes when Add Members button is clicked
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupHeader.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupMoreActionButtonContents.jsp | 2 +-
grouper-ui/webapp/grouperExternal/public/assets/js/grouperUi.js | 17 ++++++
3 files changed, 19 insertions(+), 2 deletions(-)
```

Issue #2: [GRP-1379](#): UI Accessibility Improvements - Search Icon Not Labelled

```
commit 8c6e4d068c115c5854404fd83ca25196548120e3
Date: Sat Oct 22 14:49:16 2016 -0700
GRP-1379 - Add aria-label to search box at the top of the page
grouper-ui/webapp/WEB-INF/grouperUi2/index/index.jsp | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)
```

Issue #3: [GRP-1394](#): UI Accessibility Improvements - Add role=button to Add Members link

```
commit 05a9b800e217c14b925f175cde9cd71da3514c76
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Sat Oct 22 16:32:34 2016 -0700
```

GRP-1394 - Add role=button to Add Members link

```
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupMoreActionsButtonContents.jsp | 5 +++-
1 file changed, 4 insertions(+), 1 deletion(-)
```

```
commit dcf32457dd996558b5ce8cd4f0a699de1e449e47
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Sun Nov 13 17:04:02 2016 -0800
```

GRP-1394 - Add role=button to hyperlinks which act as buttons

```

grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefEdit.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefMoreActionsButtonContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefPrivileges.jsp | 4 +++-
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/newAttributeDef.jsp | 4 +++-
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/viewAttributeDef.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupPrivileges.jsp | 4 +++-
grouper-ui/webapp/WEB-INF/grouperUi2/group/newGroup.jsp | 4 +++-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsAttributeDefPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsGroupPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsMemberships.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsMembershipsContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsStemPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/viewGroup.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/groupImport/groupImport.jsp | 14 ++++++-----
grouper-ui/webapp/WEB-INF/grouperUi2/myGroups/myGroups.jsp | 4 +++-
grouper-ui/webapp/WEB-INF/grouperUi2/myGroups/myGroupsJoin.jsp | 4 +++-
grouper-ui/webapp/WEB-INF/grouperUi2/myGroups/myGroupsJoinContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/myGroups/myGroupsMemberships.jsp | 4 +++-
grouper-ui/webapp/WEB-INF/grouperUi2/myGroups/myGroupsMembershipsContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/newStem.jsp | 4 +++-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemCopy.jsp | 4 +++-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemDelete.jsp | 4 +++-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemEdit.jsp | 4 +++-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemMoreActionsButtonContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemMove.jsp | 4 +++-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemPrivileges.jsp | 4 +++-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/viewStem.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsAttributeDefPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsGroupPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsStemPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/viewSubject.jsp | 2 +-
32 files changed, 51 insertions(+), 51 deletions(-)

```

Issue #4: [GRP-1397](#): "Member name or ID" field appears to be mislabeled and identified as a combo-box through use of ARIA role

```
commit 921f8ca3ab36a31ee3d91d1300e745a7436dff6c
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Sat Oct 29 09:10:09 2016 -0700
```

GRP-1397 - Attach the label to correct input field

```
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupHeader.jsp | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)
```

Issue #5: [GRP-1398](#): UI Accessibility Improvements: Pull down menus throughout site do not indicate their function as a pull-down menu or announce changed state once selected

```
commit 4e40a118ec44a62f29a5c44693485f57d74b682a
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Sat Oct 29 12:02:31 2016 -0700
```

GRP-1398 - Toggle aria-expande based on pull down menu status

```
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupMoreActionsButtonContents.jsp | 6 ++++--
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupMoreTab.jsp | 5 +++--
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemMoreActionsButtonContents.jsp | 8 ++++++--
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemMoreTab.jsp | 5 +++--
4 files changed, 16 insertions(+), 8 deletions(-)
```

```
commit 0af8c7e3da765840f0dba4108d13769c000b4388
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Mon Nov 14 08:17:43 2016 -0800
```

GRP-1398 - Add aria roles and javascript for the pull down menus to make them accessibility compliant

```
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefContents.jsp | 7 ++++--
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefMoreActionsButtonContents.jsp | 8 ++++++--
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefMoreTab.jsp | 5 +++--
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefPrivilegeContents.jsp | 9 ++++++--
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupContents.jsp | 8 ++++++--
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupPrivilegeContents.jsp | 8 ++++++--
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsAttributeDefPrivilegesContents.jsp | 9 ++++++--
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsGroupPrivilegesContents.jsp | 9 ++++++--
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsMembershipsContents.jsp | 9 ++++++--
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsStemPrivilegesContents.jsp | 9 ++++++--
grouper-ui/webapp/WEB-INF/grouperUi2/index/index.jsp | 8 ++++++--
grouper-ui/webapp/WEB-INF/grouperUi2/index/indexColumnMenu.jsp | 7 ++++--
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemPrivilegeContents.jsp | 9 ++++++--
grouper-ui/webapp/WEB-INF/grouperUi2/subject/subjectContents.jsp | 9 ++++++--
grouper-ui/webapp/WEB-INF/grouperUi2/subject/subjectMoreTab.jsp | 9 ++++++--
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsAttributeDefPrivilegesContents.jsp | 9 ++++++--
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsGroupPrivilegesContents.jsp | 9 ++++++--
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsStemPrivilegesContents.jsp | 9 ++++++--
18 files changed, 114 insertions(+), 36 deletions(-)
```

Issue #6: [GRP-1399](#): UI Accessibility Improvements: Section tabs read as links

commit 2eb2f135608a8a41bd89ab4dc85c6f8b8042b6bc  
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>  
Date: Sat Oct 29 14:11:22 2016 -0700

GRP-1399 - Add tabs accessibility

```
grouper-misc/grouper.client-2.3.0/javadoc/api/script.js | 30
+++++
grouper-ui/webapp/WEB-INF/grouperUi2/group/assignedToGroupInheritedPrivilegesInvolvement.jsp | 4 +--
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupPrivileges.jsp | 3 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupViewAudits.jsp | 18 +++++-----
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsAttributeDefPrivileges.jsp | 18 +++++-----
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsGroupPrivileges.jsp | 16 +++++-----
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsMemberships.jsp | 18 +++++-----
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsPrivilegesInheritedFromFolders.jsp | 3 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsStemPrivileges.jsp | 18 +++++-----
grouper-ui/webapp/WEB-INF/grouperUi2/group/viewGroup.jsp | 20 +++++-----
grouper-ui/webapp/WEB-INF/grouperUi2/stem/privilegesInheritedToObjects.jsp | 3 +-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemPrivileges.jsp | 3 +-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/thisFoldersPrivilegesInheritedFromFolders.jsp | 3 +-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/viewStem.jsp | 5 +--
grouper-ui/webapp/grouperExternal/public/assets/js/grouperUi.js | 132
+++++
15 files changed, 237 insertions(+), 57 deletions(-)
```

commit 79a7c9d906d08534bb07bde870e5db2424056b1b  
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>  
Date: Thu Dec 22 19:07:01 2016 -0800

GRP-1399 - Add aria selected and role tab to tabs so that they are read as tabs and not links

```
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefMoreTab.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefPrivileges.jsp | 4 +-
.../WEB-INF/grouperUi2/attributeDef/thisAttributeDefsPrivilegesInheritedFromFolders.jsp | 4 +-
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/viewAttributeDef.jsp | 4 +-
.../webapp/WEB-INF/grouperUi2/group/assignedToGroupInheritedPrivilegesInvolvement.jsp | 7 ++
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupMoreTab.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupPrivileges.jsp | 7 ++
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupProvisioning.jsp | 7 ++
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupViewAudits.jsp | 5 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsAttributeDefPrivileges.jsp | 5 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsGroupPrivileges.jsp | 5 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsMemberships.jsp | 5 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsPrivilegesInheritedFromFolders.jsp | 8 ++
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsStemPrivileges.jsp | 5 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/viewGroup.jsp | 5 +-
grouper-ui/webapp/WEB-INF/grouperUi2/myGroups/myGroups.jsp | 6 ---
grouper-ui/webapp/WEB-INF/grouperUi2/myGroups/myGroupsJoin.jsp | 6 ---
grouper-ui/webapp/WEB-INF/grouperUi2/myGroups/myGroupsMemberships.jsp | 6 ---
grouper-ui/webapp/WEB-INF/grouperUi2/myStems/myStems.jsp | 6 ---
grouper-ui/webapp/WEB-INF/grouperUi2/myStems/myStemsContainingAttributesImanage.jsp | 6 ---
grouper-ui/webapp/WEB-INF/grouperUi2/myStems/myStemsContainingGroupsImanage.jsp | 6 ---
grouper-ui/webapp/WEB-INF/grouperUi2/stem/privilegesInheritedToObjects.jsp | 8 ++
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemMoreTab.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemPrivileges.jsp | 8 ++
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemViewAudits.jsp | 4 +-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/thisFoldersPrivilegesInheritedFromFolders.jsp | 8 ++
grouper-ui/webapp/WEB-INF/grouperUi2/stem/viewStem.jsp | 7 ++
grouper-ui/webapp/WEB-INF/grouperUi2/subject/subjectMoreTab.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsAttributeDefPrivileges.jsp | 8 ---
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsGroupPrivileges.jsp | 8 ---
.../webapp/WEB-INF/grouperUi2/subject/thisSubjectsInheritedPrivilegesInvolvement.jsp | 8 ---
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsStemPrivileges.jsp | 8 ---
grouper-ui/webapp/WEB-INF/grouperUi2/subject/viewSubject.jsp | 8 ---
grouper-ui/webapp/grouperExternal/public/assets/js/grouperUi.js | 132
-----
34 files changed, 86 insertions(+), 236 deletions(-)
```

```
commit a467ale4cal9fe8af75408ee9a8898002029cc46
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Sat Oct 29 14:43:58 2016 -0700

GRP-1400 - Add labels for checkboxes and Actions header in the group detail page
grouper-ui/conf/grouperText/grouper.text.en.us.base.properties | 4 ++++
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupContents.jsp | 4 +--+
2 files changed, 6 insertions(+), 2 deletions(-)
```

Issue #8: [GRP-1407](#): UI Accessibility Improvements: Placeholder text is not "visible" to a screenreader

```
commit 6ee2598fdbcc47479f1fc552c4852cf48ee68aaa
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Sat Nov 5 22:11:11 2016 -0700

GRP-1407 - Add placeholder text in the entity name text field

grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsAttributeDefPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsGroupPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsStemPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsAttributeDefPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsGroupPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsStemPrivileges.jsp | 2 +-
9 files changed, 9 insertions(+), 9 deletions(-)
```

Issue #9: [GRP-1408](#): UI Accessibility Improvements: On the Grouper home page, "Create new group" is not read by screen readers until after all of the main content is read

```
commit 9e32426d1be97d7127abfe48f460a612a35c2be4
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Sun Nov 6 09:03:23 2016 -0800

GRP-1408 - Change the html to have the left box appear before the main content in the right side

grouper-ui/webapp/WEB-INF/grouperUi2/index/index.jsp | 15 ++++++-----
1 file changed, 9 insertions(+), 6 deletions(-)
```

Issue #10: [GRP-1409](#): UI Accessibility Improvements: Error (and success) messages are displayed above the page heading and all content, unapparent to screenreaders

```
commit b80e10deacd503efdd65ac3098f5815ed77886ee
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Sun Nov 6 10:04:19 2016 -0800

GRP-1409 - Add role=alert to the messages

grouper-ui/webapp/grouperExternal/public/assets/js/grouper.js | 8 +++++---
grouper-ui/webapp/grouperExternal/public/assets/js/grouperUi.js | 2 +-
2 files changed, 5 insertions(+), 5 deletions(-)
```

Issue #11: [GRP-1410](#): UI Accessibility Improvements: The bread crumb above the main content is not identified as a bread crumb to the screen reader, losing its value as a navigation tool for the screen reader user.

```
commit df9350af39b7dd8b6f8f41c234633da884d8d290
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Sun Nov 6 10:32:42 2016 -0800
```

GRP-1410 - Create a hidden header element for the breadcrumb

```
grouper-ui/java/src/edu/internet2/middleware/grouper/grouperUi/beans/api/GuiObjectBase.java | 1 +
1 file changed, 1 insertion(+)
```

```
commit ff34124cf3eada597df60b5697fc4556a80375e5
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Sun Dec 4 12:51:46 2016 -0800
```

GRP-1410 - Add breadcrumb for UI accessibility

```
grouper-ui/conf/grouperText/grouper.text.en.us.base.properties | 2 ++
grouper-ui/java/src/edu/internet2/middleware/grouper/grouperUi/beans/api/GuiObjectBase.java | 5 ++++
2 files changed, 6 insertions(+), 1 deletion(-)
```

```
commit 546da77e38a62eba9f06a5cebe35668d52a1cb74
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Wed Dec 7 07:29:53 2016 -0800
```

GRP-1410 Escape xml before rendering the breadcrumb aria label

```
grouper-ui/java/src/edu/internet2/middleware/grouper/grouperUi/beans/api/GuiObjectBase.java | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)
```

#### Issue #12: [GRP-1431](#): Two links with label "More" appears on the same page

```
commit 7a674e24b22f0f8f0609668327c98fde9eb5065a
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Sun Dec 4 13:39:00 2016 -0800
```

GRP-1431 - Add aria-label property to More links

```
grouper-ui/conf/grouperText/grouper.text.en.us.base.properties | 7 ++++++
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefHeader.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefMoreActionsButtonContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefMoreTab.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefPrivilegeContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupHeader.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupMoreActionsButtonContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupMoreTab.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupPrivilegeContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsAttributeDefPrivilegesContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsGroupPrivilegesContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsMembershipsContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsStemPrivilegesContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/index/index.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/index/indexColumnMenu.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemHeader.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemMoreActionsButtonContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemMoreTab.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemPrivilegeContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/subjectContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/subjectMoreTab.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsAttributeDefPrivilegesContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsGroupPrivilegesContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsStemPrivilegesContents.jsp | 2 +-
26 files changed, 32 insertions(+), 25 deletions(-)
```

```
commit 6bf84485149919b37ac012af851c64eab541590c
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
```

Date: Sun Dec 4 13:47:33 2016 -0800

GRP-1431 - Add aria-label property to Subject More links

```
grouper-ui/conf/grouperText/grouper.text.en.us.base.properties | 3 ++-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/subjectHeader.jsp | 2 +-
2 files changed, 3 insertions(+), 2 deletions(-)
```

commit 46ba9f90877dd49d3b01789faeafd25c442bc63b  
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>  
Date: Sun Dec 4 14:35:12 2016 -0800

GRP-1431 - Show different aria-label for More Actions links

```
grouper-ui/conf/grouperText/grouper.text.en.us.base.properties | 15
+++++++-----
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefHeader.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefMoreActionsButtonContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupHeader.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupMoreActionsButtonContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemHeader.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemMoreActionsButtonContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/subjectHeader.jsp | 2 +-
8 files changed, 17 insertions(+), 12 deletions(-)
```

commit 907b129f17dff9204e0ealdb47cdb03d80e069ac  
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>  
Date: Sun Dec 4 15:12:32 2016 -0800

GRP-1431 - Add properties file changes

```
grouper-ui/conf/grouperText/grouper.text.en.us.base.properties | 3 +++
1 file changed, 3 insertions(+)
```

commit f5ca46b0caa6c17e6ee495a26a85b305f20c037f  
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>  
Date: Sun Dec 4 15:11:48 2016 -0800

GRP-1431 - Show different aria label for memebrship and attribute name

```
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupContents.jsp | 6 +-----
grouper-ui/webapp/WEB-INF/grouperUi2/subject/subjectContents.jsp | 2 +-
3 files changed, 5 insertions(+), 5 deletions(-)
```

Issue #13: [GRP-1432](#): Display of custom privilege choices are not announced

```
commit 56c795b3a6ca7b36a1f31049f7f5c50fe9984c8c
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Sun Dec 4 15:55:36 2016 -0800
```

GRP-1432 - Announce addition/deletion of Custom Privileges section from add members page

```
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupHeader.jsp | 6 +++--
grouper-ui/webapp/grouperExternal/public/assets/js/grouperUi.js | 26 ++++++
2 files changed, 29 insertions(+), 3 deletions(-)
```

```
commit e0b22ba777b746fb9d86b02245d0dc3230513eb5
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Sun Dec 4 16:21:11 2016 -0800
```

GRP-1432 - Announce privileges section for stems as well

```
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupHeader.jsp | 4 +++
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemHeader.jsp | 6 +++--
grouper-ui/webapp/grouperExternal/public/assets/js/grouperUi.js | 24 ++++++-----
3 files changed, 21 insertions(+), 13 deletions(-)
```

Issue #14: [GRP-1436](#): "Quick Links" is read as a button whereas it is actually an expandable list.

```
commit f24b2eab75c68cae11ef6a5d22e9f16c97920f6
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Wed Dec 7 08:10:43 2016 -0800
```

GRP-1436 - Add aria attributes to Quick Links

```
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefMoreActionsButtonContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/index/index.jsp | 8 ++++++
2 files changed, 7 insertions(+), 3 deletions(-)
```

Issue# 15: [GRP-1437](#): UI Accessibility Improvements: The graphic after "Browse Folders" is not labeled and is read only as "clickable."

```
commit a7a7d67509fe11eee8ed9b8228d615d6509af2c2
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Wed Dec 7 08:30:52 2016 -0800
```

GRP-1437 - Add aria label to refresh folder browse icon and change hard coded english aria labels to property file

```
grouper-ui/conf/grouperText/grouper.text.en.us.base.properties | 3 +++
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsAttributeDefPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsGroupPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsStemPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/index/index.jsp | 4 +++-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsAttributeDefPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsGroupPrivileges.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsStemPrivileges.jsp | 2 +-
11 files changed, 14 insertions(+), 11 deletions(-)
```

Issue# 16: [GRP-1442](#): UI Accessibility Improvements: The Recent Activity listing (defined as a table to the screen readers) on the Grouper home page has no meaningful labels



```
commit 83a0b16cb86e4e899ab94c94a311f147a44f0b59
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Mon Dec 12 07:43:25 2016 -0800
```

GRP-1442 - Add table header to recent activity table on the home page

```
grouper-ui/conf/grouperText/grouper.text.en.us.base.properties | 6 +++++
grouper-ui/webapp/WEB-INF/grouperUi2/index/indexMain.jsp      | 7 +++++-
2 files changed, 12 insertions(+), 1 deletion(-)
```

Issue# 17: [GRP-1478](#): UI Accessibility Improvements: Privileges interface not accessible to keyboard-only or screenreader users

```
commit 99476687e75ce79d86b978a6bb997d16edfdc92e
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Sun Jan 29 00:36:07 2017 -0800
```

GRP-1478 - Make the privileges checkboxes which are icons more accessible for screenreaders

```
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefPrivilegeContents.jsp | 7 +----
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupPrivilegeContents.jsp             | 7 +----
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsAttributeDefPrivilegesContents.jsp | 7 +----
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsGroupPrivilegesContents.jsp   | 7 +----
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsStemPrivilegesContents.jsp     | 7 +----
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemPrivilegeContents.jsp               | 7 +----
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsAttributeDefPrivilegesContents.jsp | 7 +----
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsGroupPrivilegesContents.jsp | 7 +----
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsStemPrivilegesContents.jsp | 7 +----
```

Issue# 18: [GRP-1482](#): UI Accessibility Improvements: The revised display of entity names is not announced after applying a filter to the entity list.

```
commit 03f7b8126509ff0fcaaac2cd71e5606baa69343
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>
Date: Fri Feb 3 23:19:03 2017 -0800
```

GRP-1482 - Announce when the filter is applied and the results are updated

```
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefPrivileges.jsp | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/viewAttributeDef.jsp         | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupPrivileges.jsp                | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsAttributeDefPrivileges.jsp | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsGroupPrivileges.jsp      | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsMemberships.jsp          | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsStemPrivileges.jsp       | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/group/viewGroup.jsp                      | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/index/myActivity.jsp                     | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/index/myFavorites.jsp                    | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/index/myServices.jsp                     | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/myGroups/myGroups.jsp                    | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/myGroups/myGroupsJoin.jsp                | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/myGroups/myGroupsMemberships.jsp        | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/myStems/myStems.jsp                      | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/myStems/myStemsContainingAttributesImanage.jsp | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/myStems/myStemsContainingGroupsImanage.jsp | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemPrivileges.jsp                  | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/stem/viewStem.jsp                        | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsAttributeDefPrivileges.jsp | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsGroupPrivileges.jsp  | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsStemPrivileges.jsp   | 4 +---
grouper-ui/webapp/WEB-INF/grouperUi2/subject/viewSubject.jsp                 | 4 +---
23 files changed, 46 insertions(+), 46 deletions(-)
```

Issue# 19: [GRP-1544](#): Fix accessibility issues

commit 261488c93bd258a66bce543e529c8aelbdb74b29  
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>  
Date: Sat May 20 22:41:44 2017 -0700

GRP-1544: Change the error message for accessibility

grouper-ui/webapp/grouperExternal/public/assets/dojo/grouper/nls/grouperDojo\_en-us.js | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

commit 15fa67c9c91c030c43bd1b638d48f0453d7be2c8  
Author: Vivek Sachdeva <erviveksachdeva@gmail.com>  
Date: Sat May 20 21:58:24 2017 -0700

GRP-1544 : Fix accessibility issues

```
grouper-ui/conf/grouperText/grouper.text.en.us.base.properties | 37
+++++-----
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefContents.jsp | 5 +++--
grouper-ui/webapp/WEB-INF/grouperUi2/attributeDef/attributeDefPrivilegeContents.jsp | 5 +++--
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupContents.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupHeader.jsp | 8 +++-----
grouper-ui/webapp/WEB-INF/grouperUi2/group/groupPrivilegeContents.jsp | 5 +++--
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsAttributeDefPrivilegesContents.jsp | 5 +++--
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsGroupPrivilegesContents.jsp | 5 +++--
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsMembershipsContents.jsp | 5 +++--
grouper-ui/webapp/WEB-INF/grouperUi2/group/thisGroupsStemPrivilegesContents.jsp | 5 +++--
grouper-ui/webapp/WEB-INF/grouperUi2/index/indexMain.jsp | 2 +-
grouper-ui/webapp/WEB-INF/grouperUi2/stem/stemPrivilegeContents.jsp | 5 +++--
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsAttributeDefPrivilegesContents.jsp | 5 +++--
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsGroupPrivilegesContents.jsp | 5 +++--
grouper-ui/webapp/WEB-INF/grouperUi2/subject/thisSubjectsStemPrivilegesContents.jsp | 5 +++--
grouper-ui/webapp/grouperExternal/public/assets/css/bootstrap.css | 15
+++++-----
16 files changed, 83 insertions(+), 36 deletions(-)
```