

SENG2050 – Assignment 3 (RGMS)

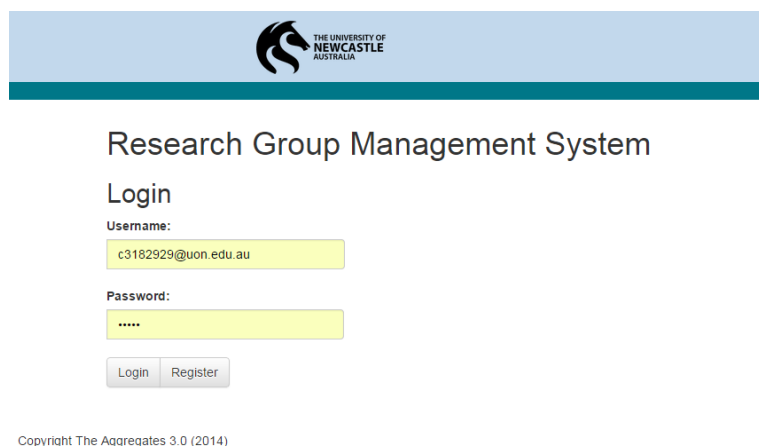
User Manual

1. Installing the Website

- Unzip the supplied assignment zip file
- Unzip the seng2050-assignment3 tomcat application to your default tomcat webapps directory
- Compile the .java class files using the following commands
 - `cd seng2050-assignment3/WEB-INF/classes/rgms`
 - `javac -classpath ../../lib/javax.servlet-api-3.0.1.jar */*.java`
- Confirm that java files compiled correctly
- Build the MySQL database using the supplied Database Configuration document

2. Logging In

Users are able to log into the system using their username and a password. This can be done from the main entry page of the website shown in **Figure 1 Login Page** below. In order to access the system, a user is required to have an account. Users can register an account using the method described in **Registering Users**.



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

Research Group Management System

Login

Username:
c3182929@uon.edu.au

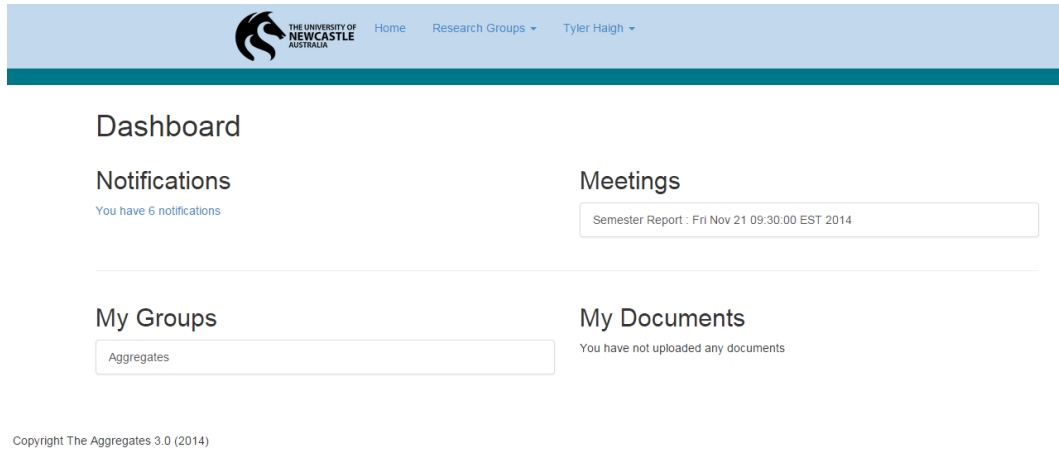
Password:

Login Register

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Figure 1 Login Page

Upon successful authentication, users are presented with their personal dashboard which displays their notifications, meetings, groups, and uploaded documents as shown in **Figure 2 User Dashboard**.



The screenshot displays the RGMS User Dashboard. At the top is a navigation bar with the University of Newcastle Australia logo, a 'Home' link, a 'Research Groups' dropdown menu, and a user profile for 'Tyler Haigh'. The main content area is divided into four sections: 'Dashboard' (the overall page title), 'Notifications' (indicating 6 notifications), 'Meetings' (showing a 'Semester Report' for Fri Nov 21 09:30:00 EST 2014), 'My Groups' (listing 'Aggregates'), and 'My Documents' (stating 'You have not uploaded any documents'). A copyright notice for 'The Aggregates 3.0 (2014)' is located at the bottom left of the dashboard area.

Dashboard

Notifications

You have 6 notifications

Meetings

Semester Report : Fri Nov 21 09:30:00 EST 2014

My Groups

Aggregates

My Documents

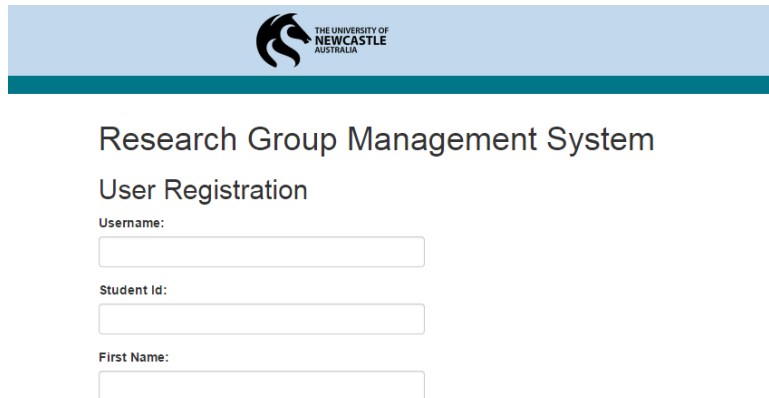
You have not uploaded any documents

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Figure 2 User Dashboard

3. Registering Users

Registering users can be done from the User Registration page and can be accessed from the main entry point of the website. Here, users enter an email address for their username, and other details to join the system. Their account will need to be activated by coordinator who will be notified on successful account creation. Upon successful account creation, all coordinators in the system will be sent a notification allowing them to activate the user. Details on how to activate users as they join the system is described in **Activating Users**. The registration page is shown below in **Figure 3 Register Page**.



Research Group Management System

User Registration

Username:

Student Id:

First Name:

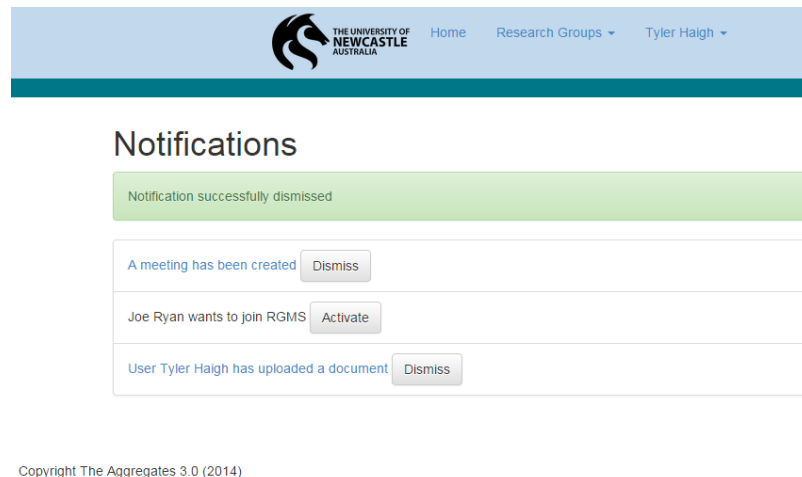
Figure 3 Register Page

4. Notifications

Notifications are a means of informing users of important events that are happening within the system. They are created when a coordinator creates a meeting, a user joins the system, and when a user uploads a document, and other events. Users can access their notifications from their dashboard. There are different kinds of notifications that are displayed:

- Users joining the system display an “Activate” action
- Meetings and Document uploads display a link to the respective page and an action to “Dismiss” the notification
- Invitations to Groups display an “Add to Group” action

When an action button is clicked, the status of the action is displayed at the top of the page as seen in **Figure 4 Notifications Page**



The screenshot shows the top navigation bar of the RGMS system, featuring the University of Newcastle Australia logo and links for Home, Research Groups, and a user profile for Tyler Haigh. Below the navigation bar, the page is titled "Notifications". A green banner at the top of the notification area states "Notification successfully dismissed". Below this, there are three notification items, each with a text description and a button:

- A meeting has been created (Dismiss)
- Joe Ryan wants to join RGMS (Activate)
- User Tyler Haigh has uploaded a document (Dismiss)

At the bottom of the page, there is a copyright notice: "Copyright The Aggregates 3.0 (2014)".

Figure 4 Notifications Page

5. Meetings

Meetings can be created by coordinators and are sent to all users who are members of the group the meeting is made for. For more information on how meetings are created, refer to **Creating Groups**

Administrators can access the Create Groups page directly from the Administration Tools page. To create a group, an admin must supply a group name and a description. The administrator who created the group will then become the group's coordinator allowing them to add users to the group. The Create Group page is shown in **Figure 12 Create Groups**.



The screenshot shows the "Create Group" page in the RGMS system. The top navigation bar is identical to the one in Figure 4. Below the navigation bar, the page is titled "Create Group". There are two input fields: "Group Name:" with the text "My Group" entered, and "Description:". Below these fields are two buttons: "Submit" and "Reset". At the bottom of the page, there is a copyright notice: "Copyright The Aggregates 3.0 (2014)".

Figure 12 Create Groups

Creating Meetings.

Users will receive a notification as well as a meeting in their dashboard. Meetings contain a link to a page containing meeting details such as invited users, and the meeting date and time as shown in **Figure 5 Meeting Page**.

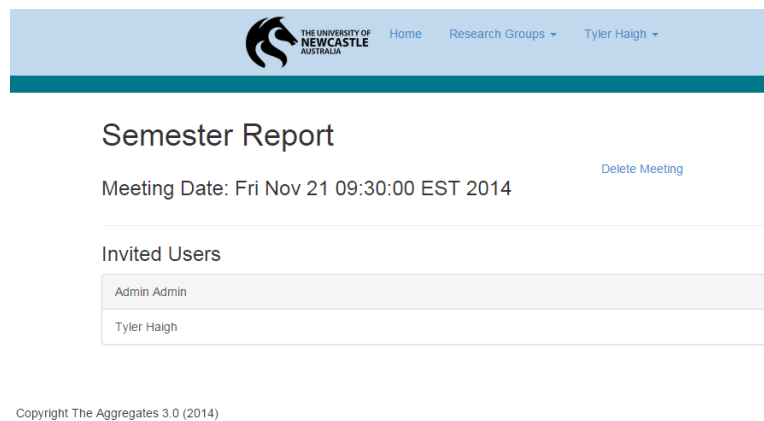


Figure 5 Meeting Page

6. Groups

Groups form a core component of the system. They contain a list of members, meetings, discussions, and uploaded documents. Users can access group pages either from their dashboard, profile page, or from the “**Research Groups**” dropdown in the navigation bar. An example group page is provided in **Figure 6 Joining Groups**.

6.1 Joining Groups

If a user is not a member of a Group, when they view the group page, a link will be displayed at the top of the page under the Group name allowing users to ask to join the group. This is shown in **Figure 6 Joining Groups** below. The coordinator of the group will receive a notification asking them to add the user to the group. For more information on notifications, refer to **Notifications**

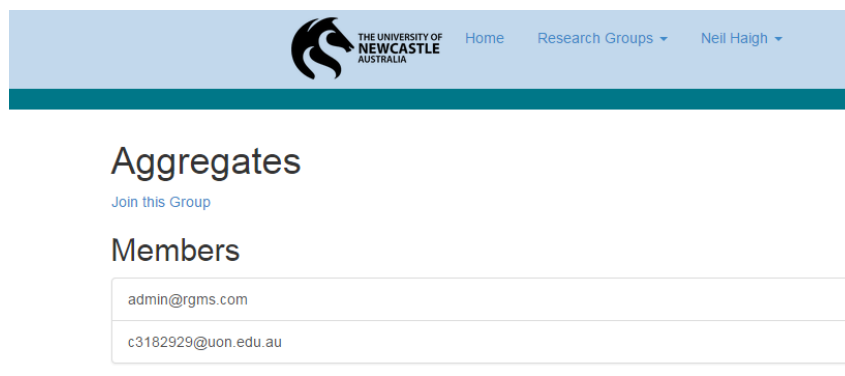
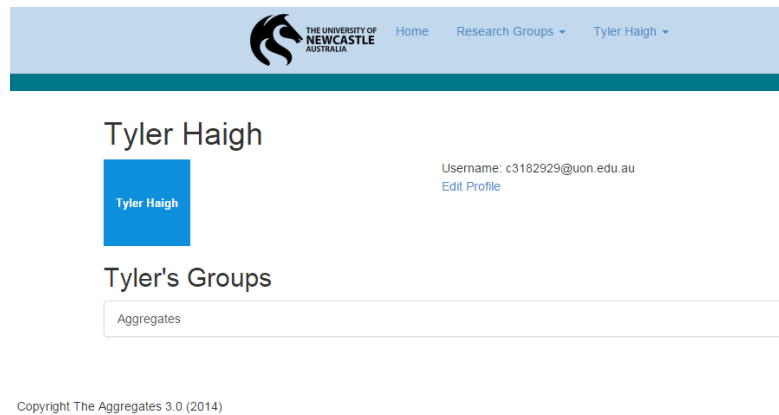


Figure 6 Joining Groups

7. Profiles

Each user within the system has a profile that shows what groups they are in as well as other details about the user. Users can access their profile page from the “**View Profile**” link under their name in the navigation bar. If a user is viewing their own profile, the option to edit their profile is also displayed, as shown in **Figure 7 User Profile**. User profiles are visible to all users in the system.

*Figure 7 User Profile*

7.1 Editing Profiles

Users can access the Edit Profile page directly from their profile page. Here they can change their details and update them in the system as seen in **Figure 8 Editing Profiles**. Users are also able to upload an avatar of themselves to be displayed to other users in the system as well as change their password from here. When the user has finished editing their profile, they can select “**Submit**” to save their changes.

The screenshot shows the 'Edit your profile' page. At the top is the same navigation bar as in Figure 7. Below it, the title 'Research Group Management System' is followed by 'Edit your profile'. Under the 'Avatar:' label is a blue square placeholder with 'No Image' and a 'Choose File' button next to the text 'No file chosen'. Below this are three text input fields: 'Username:' with the value 'c3182929@uon.edu.au', 'First Name:' with the value 'Tyler', and 'Last Name:' with the value 'Haigh'.*Figure 8 Editing Profiles*

Discussions

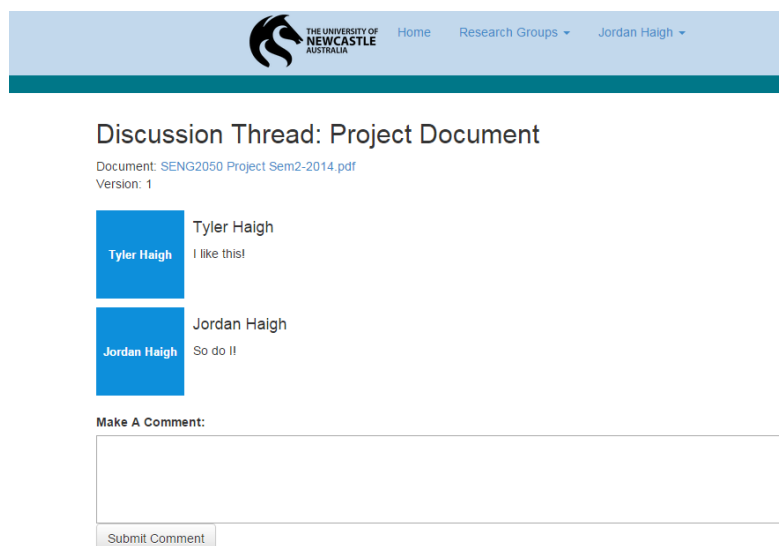
Users can create discussion threads from within their group’s page. Discussion threads can only be seen by members of the group. To create a new discussion thread, click “**Create Discussion**” on the Groups page. Discussion threads can have an optional document uploaded with it which maintains its own version control. An example of a Discussion being created is shown in **Figure 9 Creating a Discussion**.



The screenshot shows the 'Create a Discussion' page. At the top is a navigation bar with the University of Newcastle logo and links for Home, Research Groups, and Tyler Haigh. The main heading is 'Create a Discussion'. Below it, the 'Thread Name' field contains 'Project Document'. The 'Document (optional)' section shows a 'Choose File' button and the filename 'SENG2050 Pr...2-2014.pdf'. A 'Create Discussion' button is at the bottom. A copyright notice 'Copyright The Aggregates 3.0 (2014)' is at the very bottom.

Figure 9 Creating a Discussion

The Discussion thread page shows a list of comments associated with the thread and which user posted the comment. This is shown in **Figure 10 Discussion Thread**.



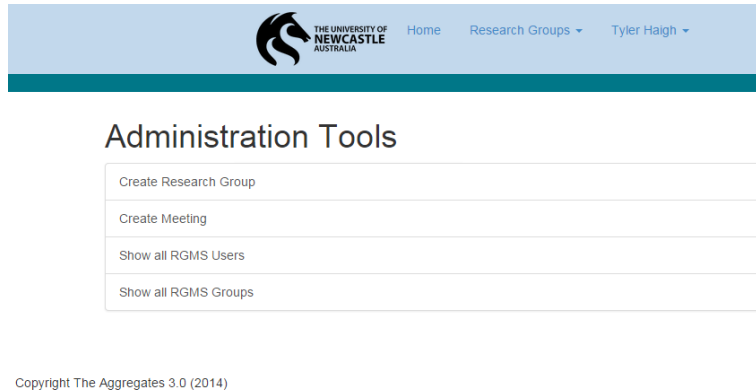
The screenshot shows the 'Discussion Thread: Project Document' page. The navigation bar is similar to Figure 9 but includes a link for Jordan Haigh. The page title is 'Discussion Thread: Project Document'. Below it, the document details are 'Document: SENG2050 Project Sem2-2014.pdf' and 'Version: 1'. There are two comments: one from Tyler Haigh saying 'I like this!' and another from Jordan Haigh saying 'So do !!'. At the bottom is a 'Make A Comment:' section with a text input field and a 'Submit Comment' button.

Figure 10 Discussion Thread

If a document was uploaded when the thread was created, users can download a copy from the discussion thread page.

8. Administrative Users

Administrative users have additional access to the system, giving them the ability to create research groups, meetings, and view all users and groups that exist in the system. A list of all possible administration tools is shown in **Figure 11 Administration Tools**.

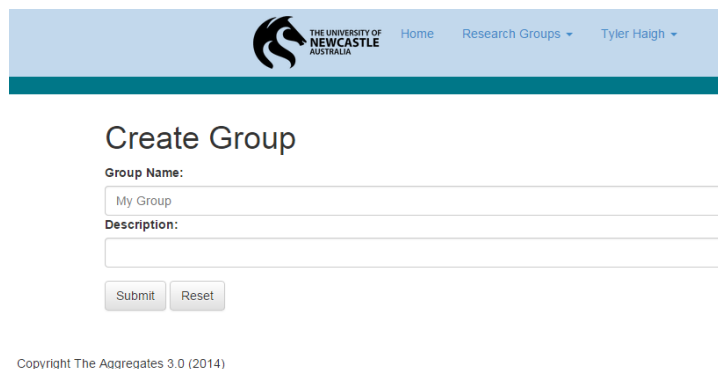


The screenshot shows the top navigation bar of the University of Newcastle Australia website. The header includes the university logo, the text 'THE UNIVERSITY OF NEWCASTLE AUSTRALIA', and navigation links for 'Home', 'Research Groups', and 'Tyler Haigh'. Below the header, the page title 'Administration Tools' is displayed. Underneath, there is a list of four links: 'Create Research Group', 'Create Meeting', 'Show all RGMS Users', and 'Show all RGMS Groups'. At the bottom of the page, a copyright notice reads 'Copyright The Aggregates 3.0 (2014)'.

Figure 11 Administration Tools

8.1 Creating Groups

Administrators can access the Create Groups page directly from the Administration Tools page. To create a group, an admin must supply a group name and a description. The administrator who created the group will then become the group's coordinator allowing them to add users to the group. The Create Group page is shown in **Figure 12 Create Groups**.

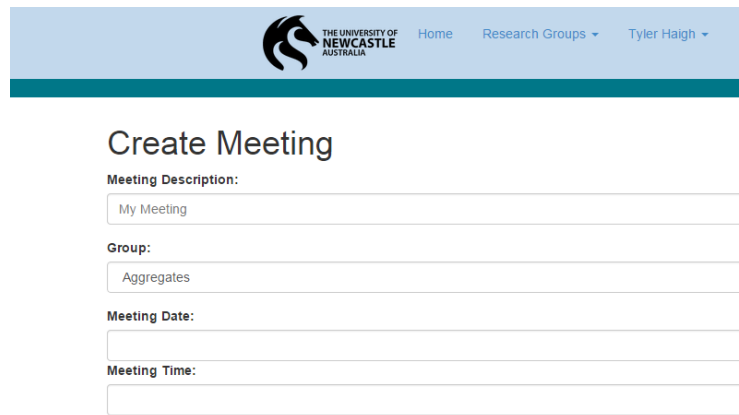


The screenshot shows the 'Create Group' page. The header is identical to the previous figure. The main content area has the title 'Create Group'. Below the title, there are two input fields: 'Group Name:' with the text 'My Group' and 'Description:'. At the bottom of the form, there are two buttons: 'Submit' and 'Reset'. A copyright notice 'Copyright The Aggregates 3.0 (2014)' is at the bottom of the page.

Figure 12 Create Groups

8.2 Creating Meetings

Administrators can access the Create Meetings page directly from the Administration Tools page. To create a meeting, the admin must supply a meeting description, the group the meeting will be made for, a date and a time for the meeting. A notification will be sent to all members of the group upon successful creation of a meeting. The Create Meeting page is shown in **Figure 13 Create Meetings**.



The screenshot shows the 'Create Meeting' form in the RGMS system. The header bar is light blue and contains the University of Newcastle Australia logo, navigation links for 'Home' and 'Research Groups', and a user profile for 'Tyler Haigh'. The form itself is white and titled 'Create Meeting'. It contains four input fields: 'Meeting Description' (with the placeholder text 'My Meeting'), 'Group' (with the placeholder text 'Aggregates'), 'Meeting Date', and 'Meeting Time'.

Figure 13 Create Meetings

8.3 Activating Users

Activating users can be done by accessing the Notifications page directly from the dashboard. Coordinators will be able to activate a user's account by clicking the **"Activate"** next to the notification.