Software Engineering User Manual

02161 | Software Engineering 1

Group 3

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1 Download, Test and Run Software

1.1 Download Project Code

To run the software, first download the project code from our GitHub repository or use the zip file from the submission on DTU Learn (make sure to unzip it).

The GitHub page can be found at `https://github.com/amagnus98/SE_Exam_Project`.

1.2 Import and Test Software

To test the software, you first have to import the project code into Eclipse. To import the project code into Eclipse, open Eclipse and navigate to **File** ⟶ **Import** and choose **Maven** ⟶ **Existing Maven project**. Then make sure to choose the `project_03` folder with the pom.xml file in it.

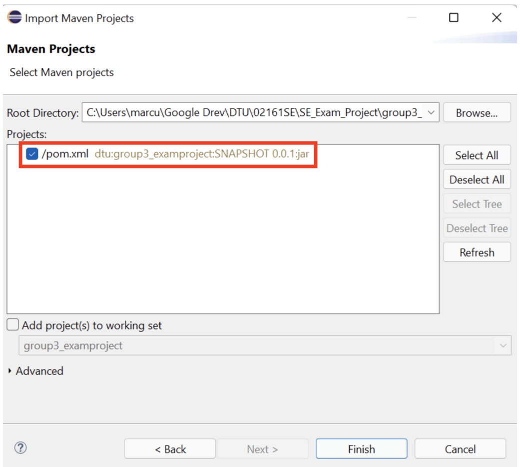

Figure 1: Open project in Eclipse.

The Cucumber and JUnit tests can be run by right clicking on the `project_03` folder in the package explorer and choosing **Run As** ⟶ **JUnit Test**.

1.3 Run Software

After successfully downloading the project code, navigate to **project_03** ⟶ **src** ⟶ **main** ⟶ **java** ⟶ **system** and then run the `RunApp.java` file. If the software was successfully opened, you will be prompted with the following log in page:

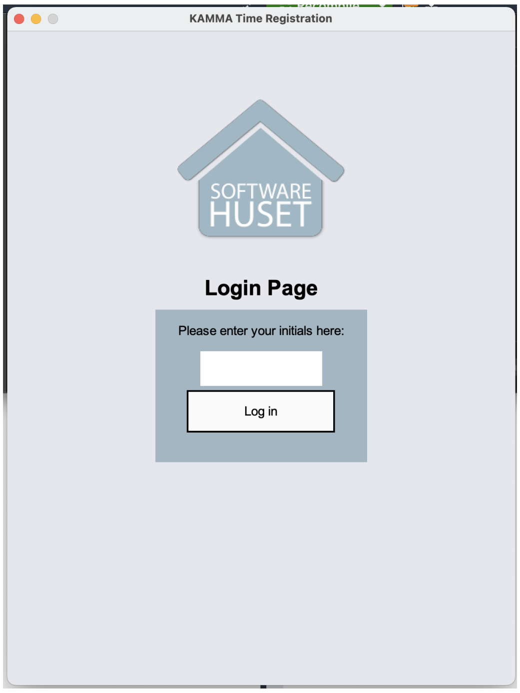

Figure 2: Software Launch Screen.

2 Logging In

2.1 Available Accounts

To access the system, you need to log in as one of the developers of the company. To be able to test the system, five dummy developers have been created. These developers are:

Name	Initials
Andreas Bigom	anbi
Asbjørn Magnussen	amag
Kasper Petersen	kape
Marcus Nielsen	mani
Mads Ringsted	mari

Table 1: Dummy developers for testing the system.

2.2 Log In as User

To log in to the system as a user, enter the initials of the developer you wish to log in as (one of the initials from table 1), and then press **Log In**.

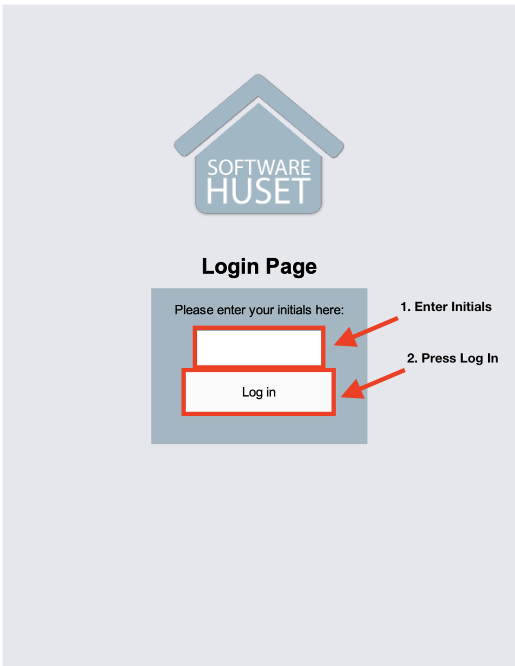

Figure 3: Log in as a user.

When you are successfully logged in as a user in the system, a label displaying the initials of the developer currently logged in is present on all pages of the system.

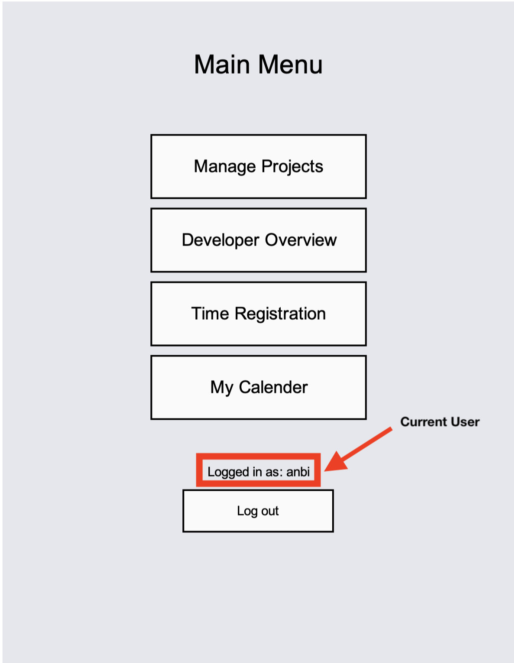

Figure 4: Logged in as a user.

2.3 Log Out

To log out of the system, press the Log Out button on the main page. If you are successfully logged out of the system, you will be prompted with the log in screen.

Figure 5: Log out of the system.

3 Managing Projects and Activities

To manage projects and activities navigate to **Main Menu** ⟶ **Manage Projects**. Here you will be prompted with a list of all past, present and future projects of the company, as well as a Non Work Activities button, which will take you to the manage non-work activities page.

3.1 Creating New Project

To create a new project press **Create new project** at the bottom of the **Project Overview** page, then optionally enter a project name and lastly press **Create**.

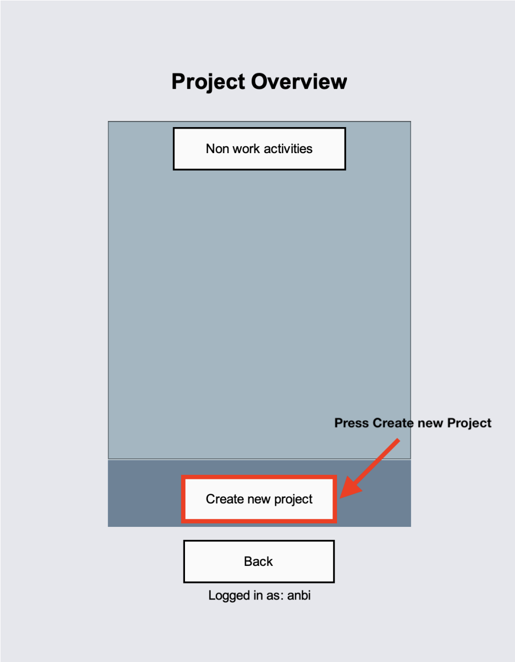

Figure 6: Create new project step 1.

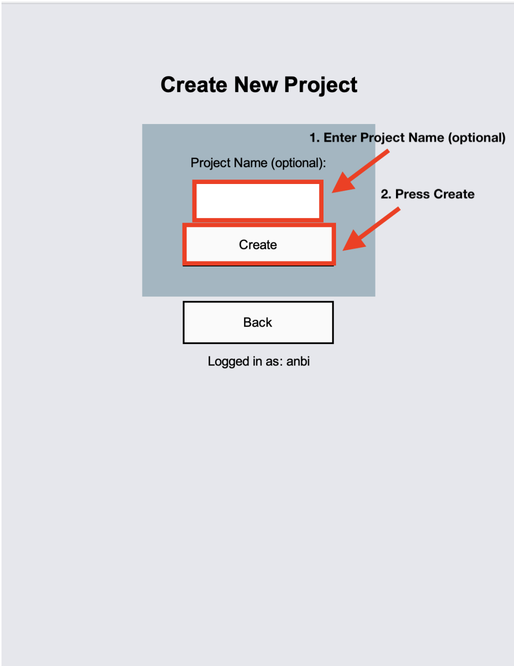

Figure 7: Create new project step 2.

3.2 Editing Project Details

To edit a project press on the project name of the project you wish to edit under **Project Overview**. Then you will be prompted with the project page of the given project. On the project page you are able to edit the details of the project such as name, project leader, estimated hours, time horizon and more. To edit a project attribute, enter the value in the **Edit Textfield** and press the **Submit Button** as seen below.

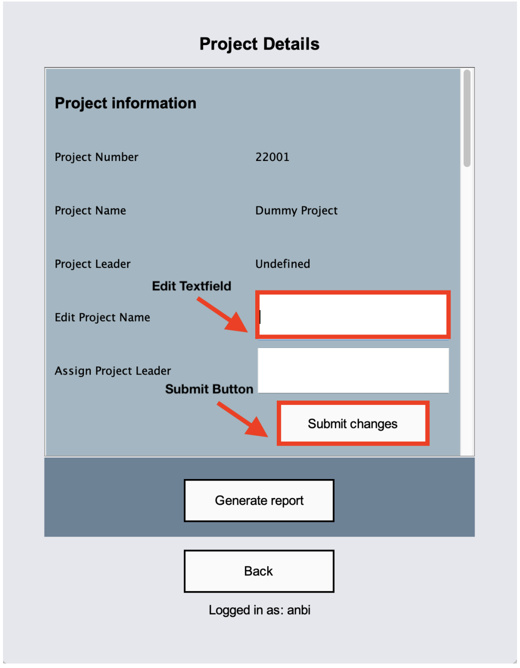

Figure 8: Editing the name of a project

Similarly the project leader can be assigned to a project by writing the initials in the **Assign Project Leader Textfield** and then press the **Submit Button** as shown above.

3.3 Creating New Non Work Activity

To create a new non work activity navigate to the non-work activities page by **Project Overview** ⟶ **Non Work Activities**, enter the non work activity name and press **Create new activity** as seen below.

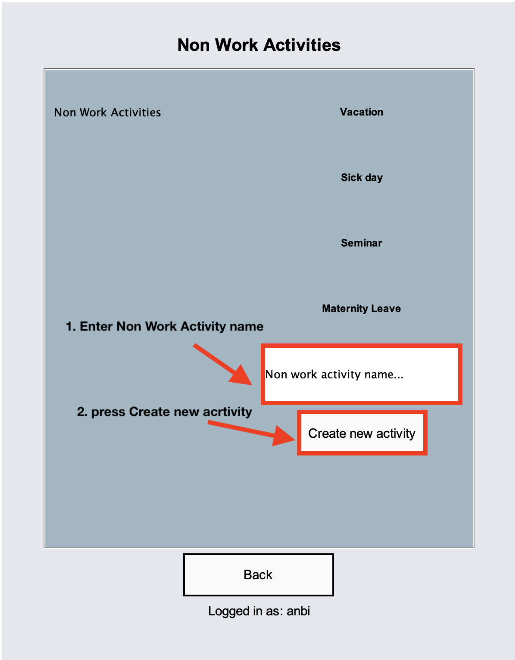

Figure 9: Create non work activity.

3.4 Creating New Activity

To create a new activity under a project press the project name on the **Project Overview** page, then scroll down to **Activity Overview**, enter the activity name and press **Create new activity** as seen below.

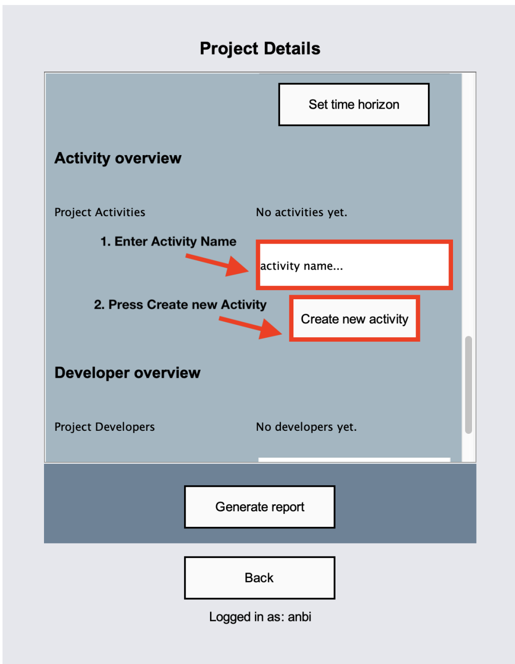

Figure 10: Create new Activity.

3.5 Editing Activity

To edit an activity under a project press the project name on the **Project Overview** page, then scroll down to **Activity Overview** and press on the activity you wish to edit as seen below.

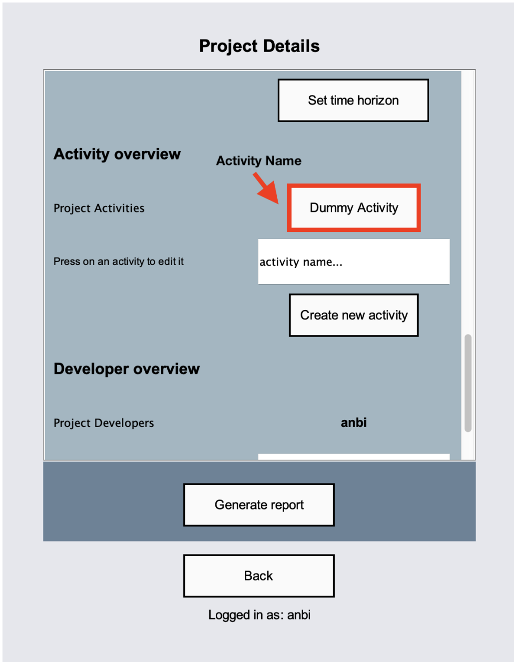

Figure 11: Edit Activity step 1.

Then you will be prompted with the **Activity Page**, where you can edit the attributes, developers and request assistance on the given activity in the same way as on the project page, described in **3.2 Editing Project Details**.

3.6 Generate Project Report

To generate a **Project Report** of a given project, press the project name on the **Project Overview** page and then press **Generate report** as seen below.

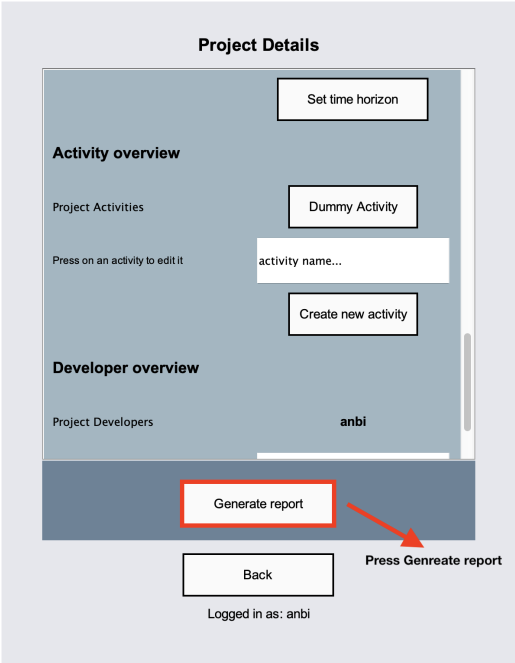

Figure 12: Generate Project Report.

4 Developer Overview

The developer overview allows users of the system to get an overview of which activities the developers of the company are working on in a given period of time. To access the developer overview, navigate to **Main Menu** $\longrightarrow$ **Developer Overview**. On this page enter the time period you wish to get a developer overview of and press **Get Overview** as seen below.

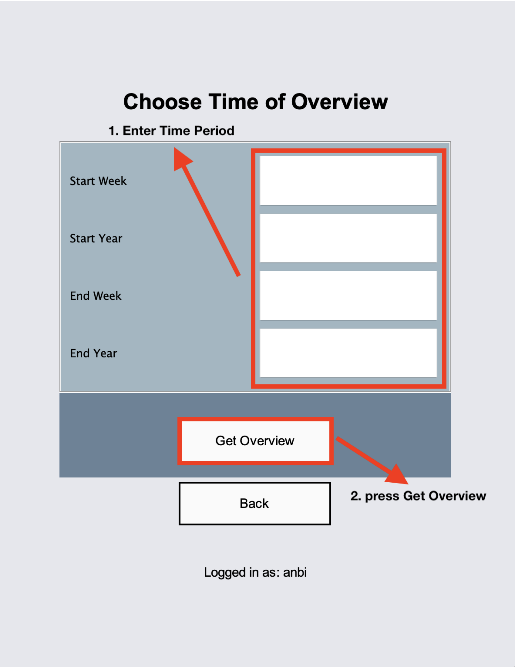

Figure 13: Get Developer Overview.

After successfully entering the details of the overview, you will be prompted with the following overview page:

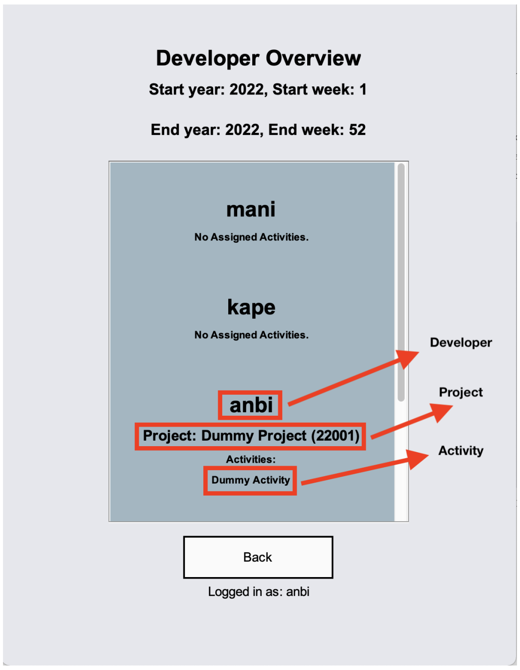

Figure 14: Get Developer Overview.

5 Time Registration

Time Registration allows the user to register hours to a given activity of the company. To access **Time Registration** navigate to **Main Menu** ⟶ **Time Registration**. On this page you will get a list of all projects and activities which the current user is allowed to register hours to. To register hours press on an activity, enter the details of the registration and press **Register Hours** as below.

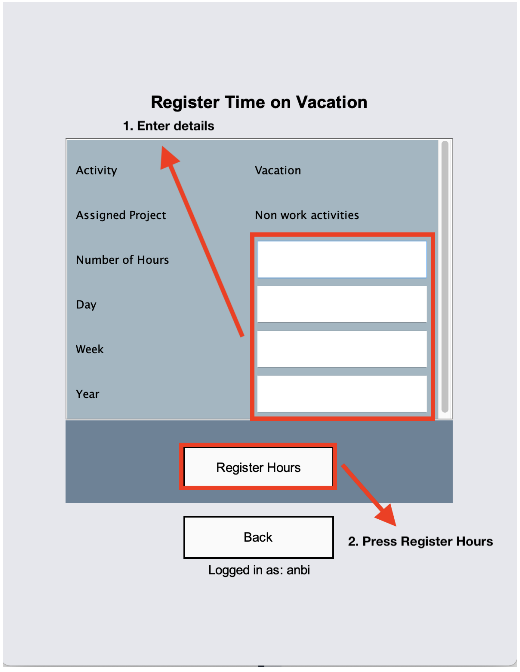

Figure 15: Software Launch Screen.

6 View Calendar

The Calendar of the system allows the current user to get a calendar overview of the hours he/she has registered. The format of the calendar is as described below:

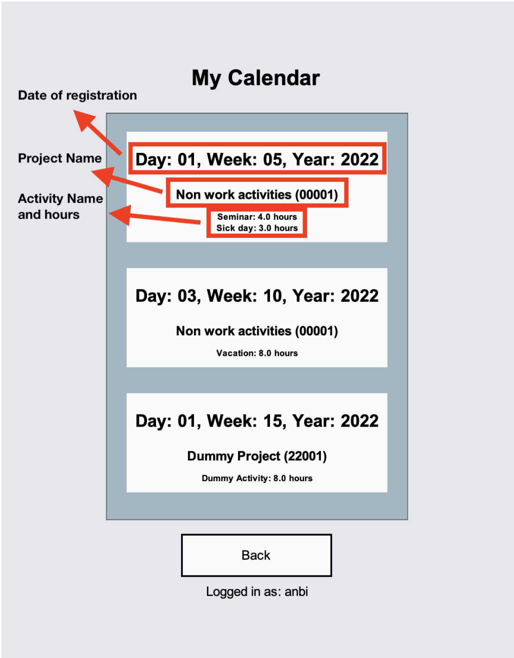

Figure 16: View Calendar.