Deployment Manual

1 Get the Source Code of the project

Option 1: Clone project from Bitbucket

Step 1: Go to University of Melbourne Bitbucket at https://bitbucket.cis.unimelb.edu.au:8445/dashboard.

Step 2: Find Project SWEN90014.

Step 3: Find Repository 2017-GO-Bilby.

Step 4: Click Clone button on the left side bar, the first one under ACTIONS.

Note: Alternatively, you can use Fork button to have a copy of the repository.

Step 5: Copy the repository url and using Git GUI or terminal (command line) to clone the project.

Master Branch: We put the complete code in the Master Branch of our Bitbucket repository.

Option 2: Download From the cloud space

We will upload the source code into third party cloud space (e.g Google Drive), and we will send the link for accessing the source code to you via email.

2 Deploy the project

2.1 Necessary Requirement

Tomcat v8.5: The application is build on the Tomcat server (v8.5), and this is a necessary requirement for deploying the project.

Java v1.8 or above: The application is build with Java language and requires Java v1.8 or above installed.

Operating System: This application works on Mac OS (tested with Mac OS X), Windows (tested with Windows 10) and Linux (tested with Ubuntu 16.04).

Web Browser: This application is a web application build with JavaScript, we have tested the application on Chrome (v60.0, v62.0), Firefox (v39.0) and Safari (v11.0).

2.2 Obtain WAR (Web Application Resource) File

2.2.1 Generate WAR file from the project
Generate WAR file from source code: This methods requires installation of the Java IDE (e.g Eclipse Neon 3 or Oxygen 1.a).

Import project into the IDE: Simply import the folder that contains the complete source code of the project into the IDE.

Export project to WAR file: Right click the project to export it as WAR file.

2.2.2 Download the WAR file From the cloud space

Like the source code, we will also upload the WAR file into the same third party cloud space, and send the link for accessing it via email.

2.3 Deployment

Option 1Put the WAR file under Tomcat/webapps folder.
Copy the WAR file into the webapps folder in the Tomcat root folder.And then start the Tomcat Server.

Option 2: Deploy the project through the Tomcat managment page.

Step 1: configure the tomcat server. https://www.digitalocean.com/community/tutorials/how-to-install-apache-tomcat-8-on-ubuntu-16-04

Step 2: start the server and get access to Tomcat management page.

Step 3: Click Manage App and upload WAR file

2.4 Access the application

Access the Goal Model Editor application through URL. The URL should be IPAddress:8080/GoalModelEditor, e.g http://10.12.214.130:8080/Goal ModelEditor/. If the IP Address has

a host name, you can access it through the host name, e.g.   http://Localhost:8080/GoalModelEditor/.

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