Task 2:

1. Target group – students

Level of knowledge – basic

Main purpose – knowledge how to work with Eclipse Dirigible



We go into the Eclipse Dirigible Web IDE. We’ll start off by creating an empty project. We click with right button in the workspace explorer on the left and create new project. In the new project we give our project the name “UniversityProject” as that’s what we’re going to use it for. Click next. We select Blank application template and choose Finish.

In the left under the workspace explorer you see the basic structure of one Eclipse Dirigible Project. You have the DataStructures, MobileApplications, ScriptingServices and so on.

Right click on the project and under New select Data Structure.

We want to crate a Relational Database Table so we select it and click next.

Now we add all necessary table properties. The first column of the table will be the id: Click add to add a new column. For the column name type ID, give it an INTEGER type and check the not null and primary key boxes. The second column is the first name of the student. Again, click Add and for the column name type FIRST\_NAME, select VARCHAR type, set it’s length to 30 and check NOT NULL. The next column is the last name of the student. Click Add and for name type LAST\_NAME, select VARCHAR type, length 30 and check NOT NULL. The last column is AVERAGE\_GRADE with type DOUBLE and check NOT NULL. Now click Next and in File Name write the name of the table – Students.

Now you see in the workspace explorer under DataStructures we have our table defined and in the editor in the right you can see it’s definition in JSON format.

Now right click on UniversityProject and select Publish and we will open the datebase view. We click Other (next to Workspace). We choose Database and OK.

In SQL Colsole window write command “SELECT \* FROM STUDENTS” and click Query. But there are not results. Now click with right botton on UniversityProject and under New select Data structure and Delimiter Separated Values Sample Data and choose Next. We find a table with name “Students” and add it to the project. Click Finish and again we do the project publish. And again select Other, Database and write “SELECT \* FROM STUDENTS” in console. This time there are results and the query was successful.