SESSION: 2017 / 18   **DIET: 1st**

Web Platform Development 2

(M3I322955)

Coursework Specification

LEVEL: 3
MODULE LEADER: Katrin Hartmann

Submission:
On or before the 29th April 2018

1. Project Task

Design and implement a milestone planner application. A milestone planner contains a list of milestones that you are planning to carry out for your coursework project. The application allows the user to define his or her own milestones, which are only visible to the user, i.e. require a login. In order to be useful the milestones exist for longer than one session.

The features of a milestone (object) can be designed by you but should at least consist of:

- A description of the milestone,
- An intended due date and
- The actual completion date.
- Milestones can be removed from the list.
- Milestones can be edited.
- A milestone (list) can be shared with friends using a link.

Any application features not specified can be designed by you.

2. Working Details

You should work in teams of 3 or 4 students on this project. You can choose how to split the work between the team members but each team member should take designated responsibilities as marks are allocated to individual team members for their work (see below).

Each team member should work on a separate branch. This branch should be regularly (or as deemed practical) merged with the main branch.

The project should be under GIT version control and regularly pushed to a Bitbucket remote.

Individual team members should pull as is sensible given the division of work within the team but the GIT functionality should be utilized, e.g. regular commits, useful comments, branches etc. Simply pushing a ready project to the remote before the submission date will not yield many marks. The Bitbucket repository is also part of the deliverables and should be well presented, e.g. have a readme.md file.

The project structure should adhere to the Maven project structure recommendations and the project should run from Maven (the command should be in the readme.md file).

3. Submission Details

Notification of teams in **week 5** by emailing k.hartmann@gcu.ac.uk using the subject line: "wpd2 coursework team membership".

A team presentation of the initial repo setup, plan of work and initial servlet implementation in the labs in **week 8**.

By that time share the Bitbucket repository with k.hartmann@gcu.ac.uk and afterwards send an email to k.hartmann@gcu.ac.uk with the subject line: "wpd2 coursework repo shared by team <id>" (replace <id> with the id of your team as allocated by week 8).

Push your final coursework to the remote on or before the **29th April**.

The remote contains the code and team documentation (see below).

The master branch contains the code of the implementation. All functionality of the application must be in the master branch.

Team members should work in individual branches. These should be visible.

There will be a separate area on GCULearn | Assignments set up for uploading individual reports.

4. Marking Scheme

Main project deliverable (team based)   50%

Consisting of the working application (30%)

A 2000 – 3000 words team report (20%) outlining:

- A mapping of links to functionality
- Persistence including the database schema
- The design of the share link functionality
- Test reports
- An appraisal of the application security. NB: this should be a reflection on the actual security; highlight if you have implemented any measures but also highlight if you are aware of additional measure that you haven't implemented (as this isn't a security module). Here you are mainly marked for awareness.
- Has the statement: "I declare that all work submitted for this coursework is the work of <insert names of the authors> alone unless stated otherwise." on the title page.

Individual contribution   50%

A report outlining the design and implementation of the components undertaken by this team member.

A list of the branch(es) of this team member.