Deliverable 2: Increment 1

The increment 1 deliverable contributes to the Project Portfolio and contributes 15% towards the total marks for the portfolio.. This deliverable is the first increment of your application, as planned by you during envisioning (deliverable 1) and built in the first sprint.

What should be included:

- **Working Code**
  This is the first increment of system functionality, which should deliver real value to your customer. Whatever working code you deliver should be what you agreed on in your sprint plan with your team supervisor (acting as product owner / critical friend).
- **Short Document / Slides as Discussion Aid**
  This should enable a purposeful conversation with your supervisor during the marking meeting. The contents are up to you, but may include:
  - Key design artifacts
  - Discussion of key design choices / decisions
  - Key storyboards
  - Key test outputs against scenarios
  - Responses to feedback
  - Sprint burndown chart

Format
The submission material should be collated as a single .zip file. Please name this file `team_X_increment1.zip`, where `X` is your team number. This must contain:
- a `code` directory with:
  - your compiled, working code as a single `increment1.jar` file.
  - your source code in a `src` subdirectory.
  - (optional) a short `readme` file to describe how to run the code if there are additional dependencies.
- a `documentation` directory with:
  - the documentation in PDF or standard MS Office formats.

Submission
Hand in your work through the ECS coursework hand in system (one per team).

Deadline
Wednesday, 4th March 2020, 4pm (for electronic submission).

Review Process
Your work will be reviewed on the Thursday, Friday or Monday morning (by 1pm at the latest) immediately following the hand in deadline. It is your responsibility to arrange a time on those days that is mutually acceptable for everyone in your team, your supervisor and your second

reviewer. The review meeting will be an informal discussion with your supervisor of up to 30 minutes, where you demonstrate your working software, explain your key design decisions and the progress of your project since the previous review. Your submitted documents should be chosen carefully to support this discussion.

To demonstrate your software, you need to make sure that you book a room with appropriate computing facilities (or bring your own laptop), and that your application is ready to run at the meeting. Whilst we have asked for a copy of your source code for this deliverable, we will not be marking the code, we are marking the working software.

It is mandatory for all of you to attend the marking meeting.

Marking Scheme
You will receive a mark of 0-5 for each of the following categories:
- Application (weight 8)
- Design (weight 3)
- Testing (weight 2)
- Planning (weight 2)

Specifically, we will evaluate you on the following criteria within each category:
- **Application**
  - It compiles and runs without errors.
  - It offers real value to the customer.
  - The increment you deliver produces the correct outputs for the functionality you implemented and as specified in the project definition.
  - Outputs are displayed in a format that is clear to the customer.
  - User controls are appropriate and intuitive.
- **Design**
  - Sensible design decisions have been made to support development.
  - A suitable architecture has been chosen to facilitate maintainability.
  - The team has used appropriate design artifacts to support their decisions (e.g., UML diagrams, storyboards, scenarios).
  - The team have used sensible prioritisation to ensure that the best value is delivered on time (in terms of the sprint plan)
  - The team has incorporated any feedback from the previous deliverable.
- **Testing**
  - The team has taken some steps (not necessarily unit tests) to test and verify the correctness of their application.
  - Where appropriate, tests are based on and tested against design artifacts.
  - The team can provide some evidence of test outputs (not necessarily unit tests).
- **Planning**
  - There is a clear burndown chart showing progress for increment 1.
  - Progress was according to plan, or, where necessary, appropriate re-prioritisation of work has taken place.

○ There is an appropriate sprint plan in place for increment 2.

Coursework mark distribution sheet
Your group may optionally choose to fill out and submit a coursework mark distribution sheet if the individual efforts towards this deliverable have been uneven. This form is available on the module home page, along with the rules governing it. The form (if used) should be appended to your report/slides.