Meeting place: Harold Cohen Study Room 3E
Time: 1pm
Date: 08/02/2019

Chair: Brandon Skerritt

Sectretary: Brandon Skerritt

In attendance:
Claire, Yales, Steffan, Luke, Geng

Sorries:
None

Agenda

- How often these meetings are

Physical meetings every Monday 1pm to decide on what we're doing for the rest of the week.
One Discord meeting on Wednesday 3pm. Another Discord meeting on Friday 2pm.

- Project description –Mission statement –Mission objectives

Our mission statement is:
"Creating an better than Oxbridge level educational system for all of the world"
The team isn't happy with this, we need something catchy. We're going to change the final mission statement, we'll come back with more ideas in the next meeting.

Our mission objectives are:
- Help revision by giving near endless questions to students to let them practice
- To remove the friction of lecturers marking and providing instant results (and correct results) without the lecturer or demonstrators marking work.
- To remove the possibility of wrong answers in questions

Next agenda item
Discuss the user's use cases
- Allow students to see what questions they find hard
- Anonymous to the professor,but user should be in charge of whether or not they share their data.
- To provide the professor with statistics on what questions the class finds hard or having problems with. With our software, it's not just one question in the mock exam they find hard but it's the fact that people are getting it wrong over and over again
- Generate questions for the students with generated answers
- Be able to show reports of class tests and mock papers
- Users able to infinitely generate questions / answers

- Lecturer able to turn off answers for the questions (so as to conform with departmental policy)
- Users be able to see how many people got their questions right

Discuss how the database will be laid out, who the admins and users are, what language the database is in, who will be assigned to support the database
- 4 types of users, course reps, students, professors, programmer
- Database in SQL, supported by Steffan & Claire
- Discuss:
- Split the requirements up:
  - System boundary diagram

The need to complete a system boundary diagram was reported by Brandon. We agreed as a group that it is vital to complete this for our first deadline next Friday. Steffan agreed to support the system boundary diagram.

Systems Boundary Diagram

- The intention of this diagram is to represent the main types of data relevant to the system and their relationships
- The boundary shows what will be included in the system and *what will be not*. Data may be:
  - In the system
  - Available on other systems to which links will be provided
  - Not to be available at all.

Figure 4.9 of Connolly and Begg provides an example (Figure 6.9 in 2nd edition).

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  - User views and their requirements

The need to complete the user views and requirements was reported by Brandon. We agreed as a group that it is vital to complete this for our first deadline next Friday. Luke & Yales agreed to support the system boundary diagram.

User Views and Requirements

- Purpose: to identify the major *classes* of **user** and the *functions* they will *use.*
  - e.g. administrator, teacher, pupil:
    - Administrator *maintains* the database: views, adds, modifies, deletes records
    - Teacher *customises* the database: views and adds records, but doesn't modify or delete records
    - Pupil *uses* the database: only views records.
- In other applications, different users may maintain and use different data items.

○ Transaction requirements

The need to complete the transaction requirements was reported by Brandon. We agreed as a group that it is vital to complete this for our first deadline next Friday. Luke & Yales agreed to support the system boundary diagram.

Transaction Requirements

- Each **user view** will involve **certain transactions**, stipulating how the data is to be used
- There are three broad categories:
  - Data entry: every data item needs to be created somewhere
  - Data update and deletion
  - Data queries.
- **Transactions should be related to the user views** to ensure all functions are supported.

  - ○
  - ○ Systems specification

The need to complete the systems specification was reported by Brandon. We agreed as a group that it is vital to complete this for our first deadline next Friday. Brandon agreed to support the system boundary diagram.

System Requirements

- Various aspects to cover here:
  - Initial Database Size
  - Rate of Growth
  - Expected type and frequency of searches
  - Network and Access requirements
  - Performance
  - Security
  - Back-up and Recovery
  - Legal Issues
- Detail required will vary according to application and environment
  - e.g. a stand alone single user application will need less detail on access and requirements than a commercial multi-user system.

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○ Gantt Chart

The need to complete the Gantt charts was reported by Brandon. We agreed as a group that it is vital to complete this for our first deadline next Friday. Geng agreed to support the system boundary

diagram.Geng will support the Gantt charts

Summary

By **FRIDAY 15 FEBRUARY 2019**
- You must book your meeting.
- You must supply the requirement documents
  SIGNED BY ALL CONTRIBUTING TEAM MEMBERS

During the week **18/02 – 22/02**
- You must attend the review meeting
- Please attend the meeting **punctually**
- This review is an important milestone: it lays the foundations for the project.

Project Gantt Chart

- A chart showing the major milestones, tasks and deliverables of the project and when they are scheduled
- You need to report your past progress and future plans.
- You will need to update this chart for each Walkthrough.

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Steffan proposed instead of printing a PDF