

CITS3200 Group B

Minutes of Meeting 3 held on August 15, 2011

Present: Andrew, Ashwina, Bowie, Darren, Hao, James.

Meeting Started: 12:52pm.

3.1. Matters arising from minutes of meeting 2

- Item 2.2. Andrew reported on his visit to the client site. Several of Dr. Bickell's colleagues were identified as important stakeholders in the project. An additional requirement, the need to be able to determine hourly feed quantities was identified.
- Item 2.3. It was determined that a standalone application, rather than a web interface should be developed, given that Andrew identified from his visit to the client site that it was vital that the application be able to function without network/internet access.

3.2. System requirements

- It was determined that the application to be developed must be able to process data files from the local file system and output results textually and graphically. Results should be stored in a SQLite database to enable comparisons with historical data.

3.3. System structure and design

- It was determined that the two main subsystems of the application will be a subsystem to process data files and perform calculations and the GUI.
- It was determined that Java should be used to develop the application because of its cross platform nature and the

team's familiarity with it.

- It was determined that Netbeans should be used as the development IDE given its features for Java Swing GUI development.

3.4. Development roles

- It was determined that individuals should write tests and documentation for their code as part of the development process. There will still be dedicated test and documentation personnel to test and document the integrated system.
- The following allocation of development roles was made:

File processing/calculation subsystem development

Bowie, Darren

GUI development

Hao, Ashwina, James

Integration

James

Testing

James, Andrew

Documentation/client installation

Andrew

- It was agreed that Andrew should take on the role of client liaison from James given his close proximity to the client site.

3.5. Future actions

- Darren and Bowie will consider the design of the file processing and calculation subsystem and the schema of the SQLite database and meet to develop this further.

Action: **Darren, Bowie**

- James, Hao and Ashwina will research Netbeans' capabilities and meet to discuss further development of the GUI.

Action: **James, Hao, Ashwina**

- Andrew will draft the requirements document required for Deliverable A and distribute this draft for comment by the

end of the week and meet with James on Monday after the CITS3200 lecture to develop it further. Assuming no controversies, he will discuss it with the client shortly thereafter.

Action: **Andrew, James**

3.6. Mentor meeting

- The group is meeting with our industry mentor at 3:30pm this Wednesday. The group agreed to meet at 2:40pm at the reflection pool (in front of Winthrop Hall) to go into the city together.

3.7. Date of next meeting

- Numerous subgroup meetings are planned as outlined above. A full group meeting (separate from the mentor meeting) is not currently planned until subgroups have had the opportunity to make progress in their areas. It is expected that we will reflect on our progress shortly before the mentor meeting on Wednesday and discuss future group meetings at that point.

Meeting closed: 2:04 pm.