**Subtask 3: Implementing and Evaluation Mark Sheet**

**Names:**

**Scope of implementation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Aspect Covered | Expected Result | Comments | Max | Score |
| Class structure as per class diagram | The classes required to implement the UI and sequence diagrams have been implemented following the designs |  | 3 |  |
| Functionality from sequence diagram | Functionality defined in the three sequence diagrams has been implemented and any changes justified (in critical reflection report) |  | 5 |  |
| User Interfaces from designs | The high fidelity UI designs have been implemented and any changes justified (by evidence from usability evaluation) |  | 5 |  |
| Functionality and scope | Extra effort has been put into the implementation beyond the main designs, or the designs had a significant scope to them |  | 3 |  |
|  | | | **Max 16** |  |

**Quality of Engineering & Formal Testing**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Aspect Covered | Expected Result | Comments | Max | Score |
| Use of Javadoc | Sensible Javadoc inspected via the HTML files + sensible comments in code |  | 3 |  |
| Use of version control | Evidence that version control has been used (e.g. commit records) |  | 1 |  |
| Design patterns used | At least 2 design patterns included in implementation |  | 3 |  |
| Unit testing | Junit test suite covering at least 4 classes – including tests of some complex functionality |  | 4 |  |
| Acceptance testing | Documented acceptance testing including test plan, 4 test specifications and test descriptor for each covering areas defined by UI and sequence diagram designs |  | 3 |  |
|  | | | **Max 14** |  |

**UI Evaluation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Aspect Covered | Expected Result | Comments | Max | Score |
| Approach to evaluation | Defined approach and methods selected and justified |  | 3 |  |
| Plan for evaluation | Clear plan for evaluation described, addressing practical issues |  | 2 |  |
| Ethical considerations | Evidence that ethical issues have been identified and managed |  | 2 |  |
| Report on evaluation conducted | Evaluation data presented clearly and analysis explained |  | 4 |  |
| Re-design suggestions | Well reasoned (re-)design recommendations based on evaluation findings |  | 4 |  |
|  | | | **Max 15** |  |

**Critical Reflection Report (5 marks)**

**Comments:**

**Grade out of 5:**

**Totals**

|  |  |  |
| --- | --- | --- |
| Implementation | 16 |  |
| Quality of Engineering and Testing | 14 |  |
| UI Evaluation | 15 |  |
| Critical Reflections | 5 |  |
| **Total** | **50** |  |