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| **WBS** | **Task Name** |
| **1** | **Requirements Elicitation** |
| 1.1 | Project Mission Statement |
| 1.2 | Software Requirements Specification |
| 1.2.1 | Product Description |
| 1.2.1.1 | Purpose of the System |
| 1.2.1.2 | Scope of the System |
| 1.2.1.3 | Stakeholders and Users |
| 1.2.1.4 | Assumptions and Constraints |
| 1.2.2 | Identifying Functional Requirements |
| 1.2.3 | Identifying Non-Functional Requirements |
| 1.2.3.1 | Usability |
| 1.2.3.2 | Reliability |
| 1.2.3.3 | Supportability |
| 1.2.4 | Interface Requirements |
| 1.2.4.1 | User Interface Prototype |
| 1.2.4.2 | Hardware Interfaces |
| 1.2.4.3 | Software Interfaces |
| 1.2.5 | Use Case Model |
| 1.2.5.1 | Use Case Diagram |
| 1.2.5.2 | Use Case Description |
| 1.2.6 | Data Dictionary |
| **2** | **Analysis & Design** |
| 2.1 | Developing Object Model (Class Diagram) |
| 2.1.1 | Class Identification |
| 2.1.2 | Find attributes and methods |
| 2.1.3 | Find the association between classes |
| 2.2 | Drawing Dynamic Model |
| 2.2.1 | Sequence Diagrams |
| 2.2.1.1 | Login |
| 2.2.1.2 | Registration |
| 2.2.1.3 | Update User Profile |
| 2.2.1.4 | Display Appointment |
| 2.2.1.5 | New Appointment |
| 2.2.1.6 | Change Appointment |
| 2.2.1.7 | Cancel Appointment |
| 2.2.1.8 | Terminate Exam |
| 2.2.2 | Communication Diagrams |
| 2.2.3 | State Machine Diagrams |
| 2.3 | Revision |
| 2.3.1 | Modify Class Diagram |
| 2.3.2 | Modify Dynamic Models |
| 2.4 | GUI Design |
| 2.4.1 | GUI Hi-Fi Prototype |
| 2.4.2 | Buttons Design |
| **3** | **Implementation** |
| 3.1 | GUI Implementation |
| 3.1.1 | UI Login |
| 3.1.2 | UI Register |
| 3.1.3 | UI Home |
| 3.1.4 | UI Profile |
| 3.1.5 | UI Display Appointment |
| 3.1.6 | UI Change Appointment |
| 3.1.7 | UI Cancel Appointment |
| 3.1.8 | UI New Appointment |
| 3.1.9 | UI Logout |
| 3.2 | Database Implementation |
| 3.3 | Class Creation |
| 3.3.1 | ExamHall Class |
| 3.3.2 | User Class |
| 3.3.3 | ExamSlot Class |
| 3.3.4 | FunctionButton Class |
| 3.3.5 | Invigilator Class |
| 3.3.6 | Module Class |
| 3.3.7 | ModuleAttendance Class |
| 3.3.8 | Protocol Class |
| 3.3.9 | ProxyUser Class |
| 3.3.10 | Student Class |
| 3.4 | Functions Implementation |
| 3.4.1 | Connection to database |
| 3.4.1.1 | Server Class |
| 3.4.2 | Manage Exam Slots(Add, Delete, Edit) |
| 3.4.2.1 | UserManager Class |
| 3.4.2.2 | ExamListManager Class |
| 3.4.3 | Take / Invigilate Exams |
| 3.4.3.1 | Activate camera |
| 3.4.3.1.1 | Camera Class |
| 3.4.3.2 | Activate audio |
| 3.4.3.2.1 | Audio Class |
| 3.4.3.2.2 | AudioCapture Class |
| 3.4.3.2.3 | AudioClient Class |
| 3.4.3.2.4 | AudioPlayback Class |
| 3.4.3.3 | Monitor 6 screens |
| 3.4.3.3.1 | WebcamClient Class |
| 3.4.3.3.2 | Screen Class |
| 3.4.3.4 | Record screen |
| 3.4.3.4.2 | Recorder Class |
| 3.4.3.4.3 | Recording Class |
| 3.4.3.5 | Display exam paper in pdf format |
| 3.4.3.5.1 | PDFDisplayManager |
| 3.4.3.5.2 | ExamPaper Class |
| 3.4.3.6 | Instant messaging |
| 3.4.3.6.1 | Message Class |
| 3.4.3.7 | Timer |
| 3.4.3.7.1 | CountDown Class |
| 3.4.3.8 | Logical Control |
| 3.4.3.8.1 | ExamHallManager Class |
| 3.4.4 | Finish Exams |
| 3.4.4.1 | Save Recording |
| 3.4.4.1.1 | JpegImagesToMovie Class |
| 3.4.4.2 | Save answers and event log |
| 3.4.4.2.1 | ExamAnswer Class |
| 3.4.4.2.2 | EventLog Class |
| 3.6 | Integration |
| **4** | **Testing** |
| **5** | **Demo** |