

| Related Component | Apps "Required" features |
|-------------------|---|
| Authentication | Login Page |
| | User Authentication (Validate user credentials with stored credentials) |
| | Register Page |
| | Create a new User account |
| | Forgot Password Page |
| | Request a password reset link using email address |
| Dashboard | Dashboard Page |
| | Create a new Emergency Device |
| | Read/Display Emergency Device data |
| | Filter devices by building using interactive map |
| | Filter devices using dropdown controls |
| | Filter devices by search |
| | Update Emergency Device data |
| | Delete a Emergency Device |
| Notification | Generate and Display inspection and device expiry notifications |
| Inspection | Create a new Inspection |
| | |
| | Read/display existing inspections for a extinguisher. |
| | Update inspection data |
| | |
| | Delete a inspection |
| Admin | Admin Page |
| | Create a new room |
| | Read/display room data |
| | Update room data |
| | Delete a room |
| | Create a new building |
| | Read/display building data |
| | Update building data |
| | Delete a building |
| | Create a new site |
| | Read/Display site data |
| | Update site information |
| | Delete a site |
| | Read/Display user data |
| | Update a User |
| | Create a new Device Type |
| | Read/Display device type data |
| | Update device type data |
| | Delete device type data |

| Tasks | Notes | Person Responsible |
|--|--|--------------------|
| Complete Introduction: | Update specs to allow only one user type (admin user) to simplify design and development | |
| Complete Use cases and diagrams | Refine use cases and develop diagrams for each | |
| Create 5 activity diagrams for each component | | |
| Create 5 desktop wireframes for each component | | |
| Create 5 mobile wireframes for each component | | |
| Unit testing plan | | |
| Database testing plan | | |
| Integration testing plan | | |
| System testing plan | | |
| User acceptance Testing plan | | |
| Conclusion | | |

| Deliverables for Part 2: Formal Documentation | Marks |
|---|-------|
| Reflection/Analysis of the business issues and justifications of decisions that you have agreed to | 15 |
| Reflection/Analysis of the program specifications. Include any changes or modifications that may be required for the final software application. | 15 |
| A detailed ERD that best reflects the relationships, tables, and business rules documents (diagrams as DFD or UML) for the user interface, the client-server setup, and the individual processes within the software application. | 10 |
| A detailed description of a test framework and plan that can cover all required features. Include code examples of such tests – unit testing. | 15 |