**System Requirements:**

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| Requirement Name | Requirement Description |
| Create Account | Creates account in database with corresponding attributes:   * Username * Email * Password |
| Encrypted account details | Users account details must be encrypted in the database |
| Sign in | System verifies inputted email and password are in the database, then signs in user if verification check passes |
| Automatic Sign in | System will remember user’s credentials if they don’t log out before closing the application. On reopening the app, the user will skip the credential typing process and be signed in automatically |
| Verification email | Verification email is sent to user when they create an account   * Email should be sent with a latency no greater than 1 hour |
| Sign out | User will be able to sign out of their account |
| Map | System will show user a current updated map of the user’s location in the world |
| Player Model | System will track and show the user a 3D model representing the user’s current location   * Position will be updated as user moves in real world to represent their current location * Model will be animated while moving to represent a human walking * Model’s appearance could be customisable by the user |
| User Level | User account will hold a numerical level value   * A level will be gained by completing enough levels and a set of requirements   + Each level will require different amount of level completions and different requirements * System will display user’s level while user is interacting with the map * System will display requirements and number of levels needed to complete to gain next level while user is interacting with map |
| Portrait Mode | System should only be ran in portrait mode |