**CSE3MAD**

**Assessment 1**

**Phase 1**

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**Lean Canvas**

A diagram of a product

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**ERD Diagram**

A screenshot of a computer

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**Screen List for the WeatherHazard app**

Set-up Activity:

* The user will be able to:
  + View current hazards using an interactive map
  + Add hazards when they appear
  + Validate/Unvalidate hazards that appear on the map

Loading Screen:

* The user will view a loading screen whilst the app loads.

Main Screen:

* The user can interact with the map. They can view existing hazards on the map with the ability to view or add hazards from here.
* The user can navigate to the settings page for toggling different settings.
* The user can navigate to the search screen to lookup existing hazards.
* The user can login to an account for admin activities.
* The user can navigate to the hazard reporting screen to report a hazard.

Report a Hazard Screen:

* Users can add their own hazard to the map.
* They can add the type, description and any photos they may have taken of the incident for others to be aware of.
* At the end of the process, users will be asked to register their email for authenticity purposes.

Search Screen:

* When a user searches a hazard, it provides the hazard type, location, time of report, description and any photos the author may have provided.
* The user also has the ability to verify the validity of the hazard report.
* A user can add a comment e.g. “Wow, that fallen tree was huge!”

Settings Screen:

* When selecting the settings button from the home screen, users can configure any settings they would like to change. E.g. distance units, push notification toggle etc.
* User can configure profile information such as icons.

Admin User screen:

* Gives admin users the ability to add, remove or edit official events directly.
* Admin users have the ability to send broadcast messages relating to events through push notifications.

Login Screen:

* Users who obtain an official account, can login to the Admin User screen.
* Users can also register from here.

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A screenshot of a log in

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A screenshot of a computer

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