Stone Identification App
Software Requirements Specification

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1 Functional Requirements

1.1 Business Event: User wants to identify a rock

1.1.1 Viewpoint: Everyday User

- The application will allow the user to input information about texture, colour, or size of a rock.

- The application will estimate the type of rock based on user-inputted texture, colour, and/or size.

- The application will suggest rocks based on the user's location.

1.1.2 Viewpoint: Developer

1.1.3 Viewpoint: Security Expert

1.2 Business Event: User wants to update the data store

1.2.1 Viewpoint: Everyday User

- The every day user will not be able to modify the data store.

1.2.2 Viewpoint: Developer

- The developer will be able to update the data store with new information

1.2.3 Viewpoint: Security Expert

- The security expert must be able to manage developer access to the data store

1.3 Business Event: User wants to save a rock they've found

1.3.1 Viewpoint: Everyday User

- The user will be able to add a rock from their matched list to a Ïound Rocks̈list.

1.3.2 Viewpoint: Developer

- The developer will not be able to access an individual user's found rock list.

1.3.3 Viewpoint: Security Expert

1.4 Business Event: User wants to identify a rock

1.4.1 Viewpoint: Everyday User

- The application will be able to recieve user input based on the available experts

- The application will display possible matches based on user input

- The application will allow experts to dictate which rocks from the data store are displayed

- The application will display the image of all rocks matching the user input

1.4.2 Viewpoint: Developer

- The developer will not be able to view user specific searches

1.4.3   Viewpoint: Security Expert

1.5   Business Event: User wants to learn more about a rock

1.5.1   Viewpoint: Everyday User

- The user will be able to view information about the rock including Colour, Size, Texture (Depends upon available experts)

- The user will be able to view an image of the rock

- The user will not be able to modify information about a rock

1.5.2   Viewpoint: Developer

- The developer cannot access user rock searches

- The developer can add and remove experts

1.5.3   Viewpoint: Security Expert

- The security expert must be able to manage developer access to the experts