

# Stone Identification App Software Requirements Specification

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# 1 Overall Description

The following section will outline the factors that affect our product and its requirements.

## 1.1 Product Perspective

The stone identification app will provide the same functions as rock identification sites, with added features such as value approximation. The application will work by asking multiple questions to refine the result, as internet quizzes often do. The product will make use of google maps and therefore will not be completely self contained. There is no larger system that will be interacting with our application.

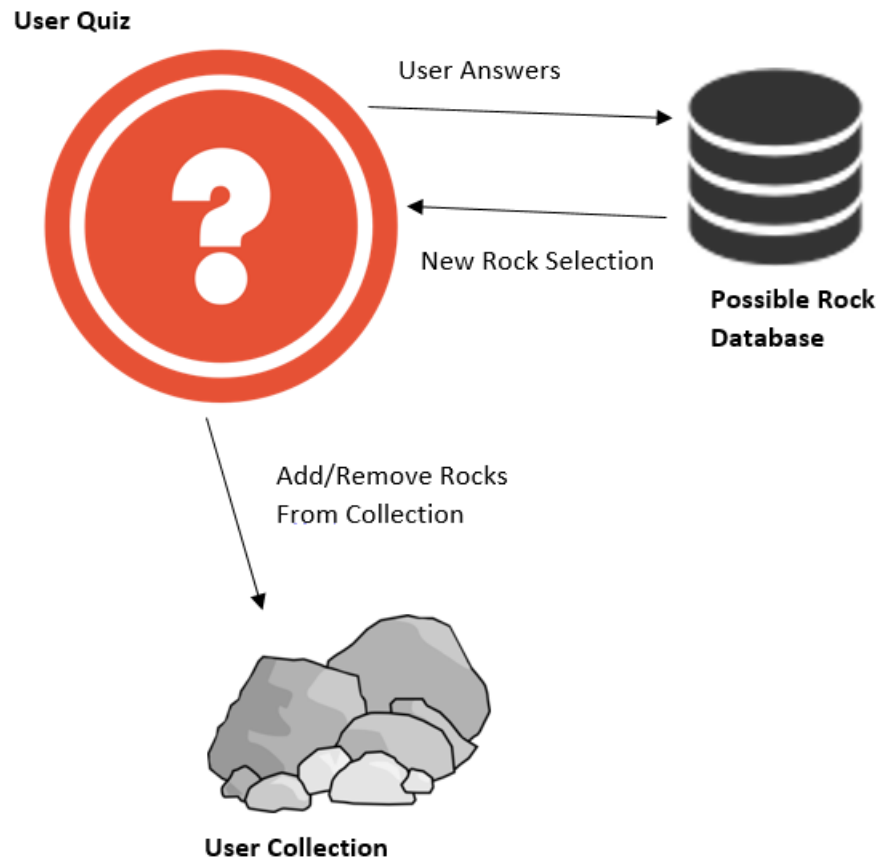
### 1.1.1 Product Functions

- If the user finds a rock, the application will display a list of all possible rocks for a match
- Each rock possibility is accompanied by a picture, a description and an approximate value
- The application will display a set of questions as a forum that the user can answer to refine the selection of possible rocks
- Once a match has been found, the customer has the option to save rock information on a local database
- Customers will be able to remove rocks from their collection

### 1.1.2 User Characteristics

User restrictions may include:

- No educational restrictions during the identification process, as the use of pictures make this very intuitive
- Some descriptions, and questions about rocks may require a slight knowledge of geology
- Previous experience with phone applications is an asset when using this product
- No technical expertise needed, however users may take some time at first to learn all the features



### 1.1.3 Constraints

- Possible matches are limited to database space

### 1.1.4 Assumptions and Dependencies

- Users have enough space on mobile device to hold database
- User has enabled GPS function in phone
- Device with application is an android phone

### 1.1.5 Apportioning of Requirements

Some requirements that may be delayed until future versions:

- Interacting with other users rock collections, such as viewing, and requesting to purchase
- Messaging system between collectors