

# Stone Identification App

## Software Requirements Specification

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# 1 Non-Functional Requirements

## 1.1 Look & Feel Requirements

### 1.1.1 Appearance Requirements

### 1.1.2 Style Requirements

## 1.2 Usability & Humanity Requirements

### 1.2.1 Ease of Use Requirements

### 1.2.2 Personalization & Internalization Requirements

### 1.2.3 Learning Requirements

### 1.2.4 Understandability & Politeness Requirements

### 1.2.5 Accessibility Requirements

## 1.3 Performance Requirements

### 1.3.1 Speed & Latency Requirements

### 1.3.2 Safety Critical Requirements

### 1.3.3 Precision & Accuracy Requirements

### 1.3.4 Reliability and Availability Requirements

**RA1:** This system is available on the user's machine and does not rely on other factors to function. This program should be available 100% of the time.

### 1.3.5 Robustness or Fault-Tolerance Requirements

**RFT1:** The program shall be designed in a way that faulty inputs are not possible to select. **RFT2:** The program shall return the correct identification for a rock at least 80% of the time.

### 1.3.6 Capacity Requirements

**CR1:** This program is designed to work independently on a single piece of hardware. If the program operates as stated in the other requirements on the device, this requirement will be satisfied.

**1.3.7 Scalability or Extensibility Requirements**

**1.3.8 Longevity Requirements**

## **1.4 Operational & Environmental Requirements**

**1.4.1 Expected Physical Environment**

**1.4.2 Requirements for Interfacing with Adjacent Systems**

**1.4.3 Productization Requirements**

**1.4.4 Release Requirements**

## **1.5 Maintainability & Support Requirements**

**1.5.1 Maintenance Requirements**

**1.5.2 Supportability Requirements**

**1.5.3 Adaptability Requirements**

## **1.6 Security Requirements**

**1.6.1 Access Requirements**

**1.6.2 Integrity Requirements**

**1.6.3 Privacy Requirements**

**1.6.4 Audit Requirements**

**1.6.5 Immunity Requirements**

## **1.7 Cultural & Political Requirements**

**1.7.1 Cultural Requirements**

**CP1:** This program shall not include any symbols, statements or anything of that nature that may be found offensive to anyone's culture.

**1.7.2 Political Requirements**

**CP2:** This program shall not include any symbols, statements or anything of that nature that display any sort of political stance.

## **1.8 Legal Requirements**

**1.8.1 Compliance Requirements**

**1.8.2 Standards Requirements**