

# **System Design Document**

## **Cardzo - Document Scanner**

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# **1. INTRODUCTION**

## **1.1. Purpose**

This purpose of this document is to outline in detail the system design of Cardzo – Document Scanner App. This document will provide the use case diagram, data flow diagram, state transition diagram and table design of Cardzo to give a better understanding of how information will be processed with regards to the application. In addition, images will be provided that show the GUI model to give a better idea of the system's user interface design.

## **1.2. Scope**

This document provides the design of Cardzo. It will show how the application's functionalities work by explaining each of the system's components.

## **1.3. Overview**

This document will cover the basic functionality of the application, its context and its design. It will cover how data flows within and out of the system. The system architecture will cover each of the components of the application and its relation to system functionality.

## **2. System Overview**

The Cardzo app will ensure all the documents and user details are stored in the local database, and makes the retrieval of information or any documents possible. Even though there are some applications in the market with same functionalities, the complex user interface and non essential features makes the apps pretty useless for ordinary people. Here, through Cardzo app, the simplest user interface and essential features will make user's life easier.

## **3. Design Considerations**

### **3.1. Goals**

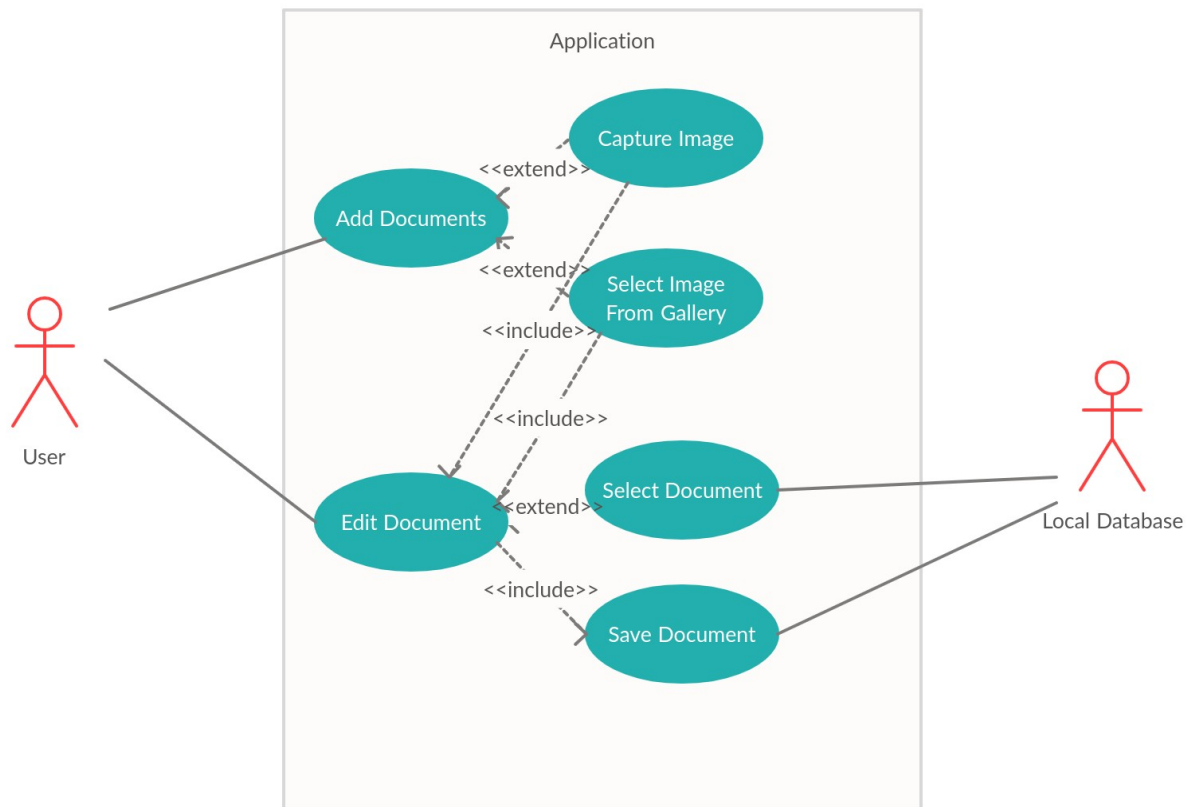
- Ease of usability is top priority for the development process.
- The application will have buttons with labels that explain the functionality of that button.

### **3.2. Development Methods**

This project was initially conducted using the waterfall model method. As time progressed we switched to agile development due to new features addition and modification of existing features.

## 4. System Design

### 4.1 Use Case Diagram



### 4.2 Use Case Description

#### Use Case 1 :

Name	Add Document
Description	Add A Scanned Formated
Actor	User
Scenario	<ol style="list-style-type: none"><li>1. Click On Scan Button</li><li>2. Chooses Camera/Gallery</li><li>3. Captures The Image</li><li>4. Process The Image And Edits</li><li>5. Save The Document</li></ol>

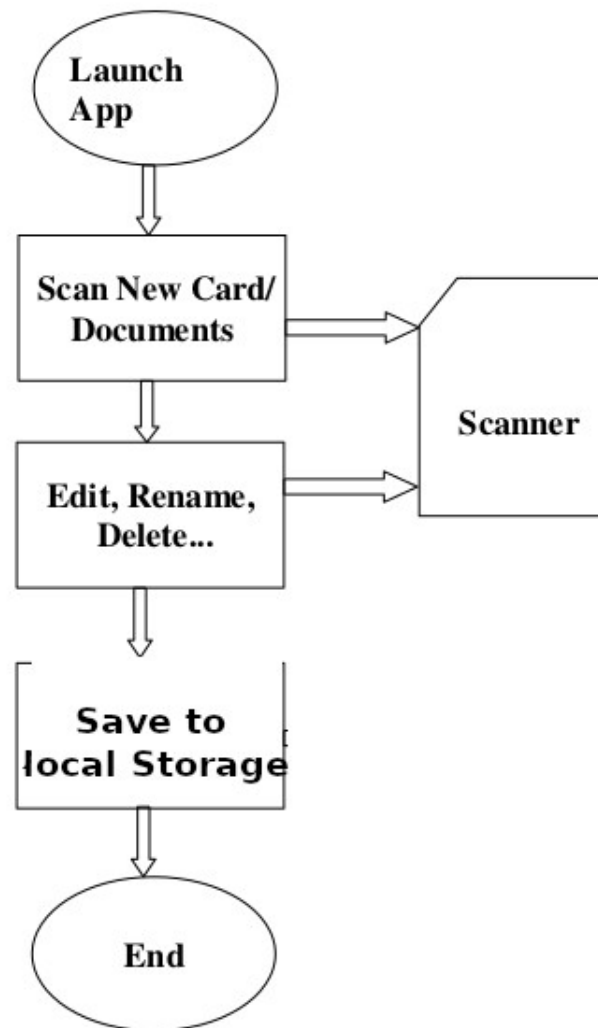
**Use Case 2 :**

Name	Edit Document
Description	Editing A Existing Document In App.
Actor	User
Scenario	<ol style="list-style-type: none"><li>1. Selects Document</li><li>2. Click On Edit Button</li><li>3. Editing The Document</li><li>4. Saves The Edits</li></ol>

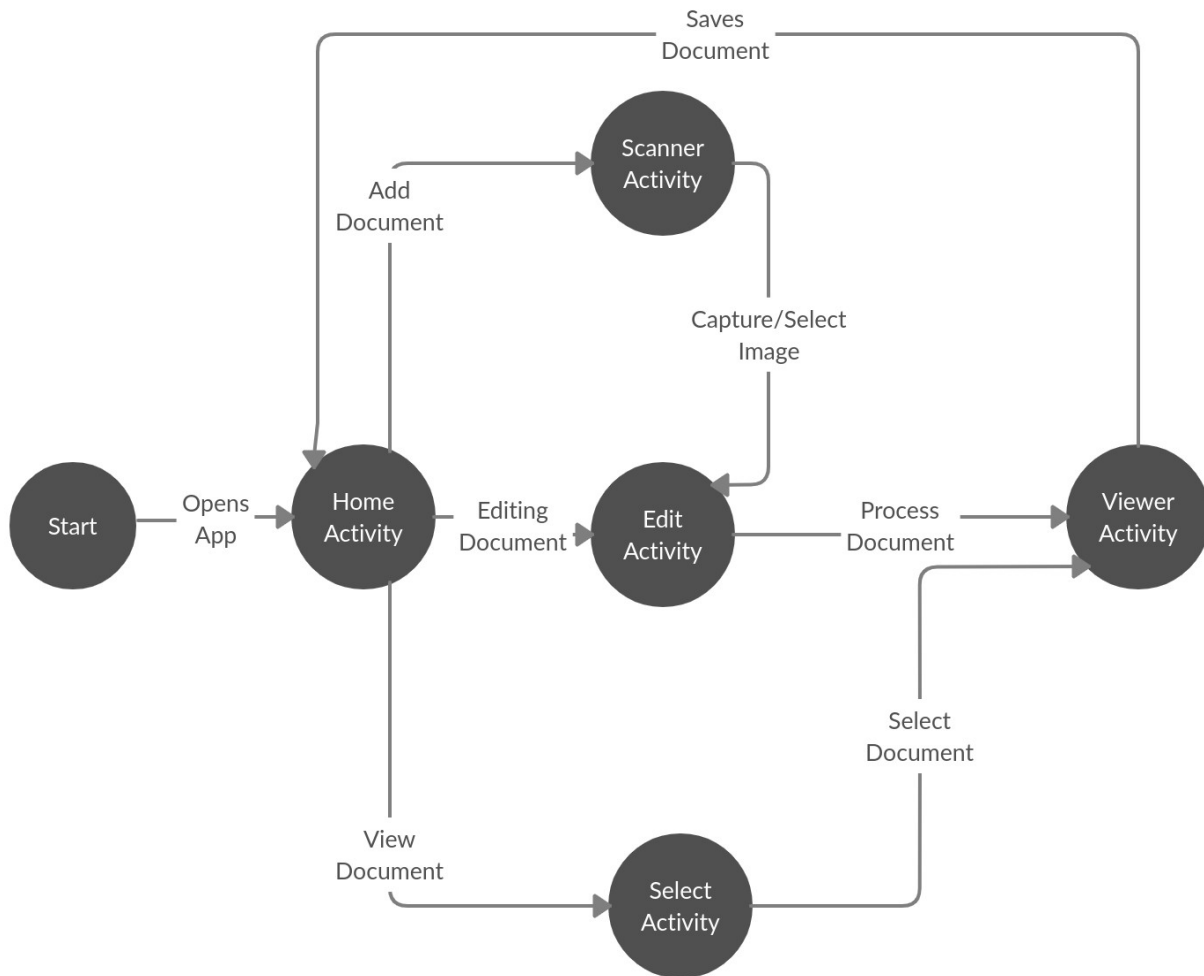
**Use Case 3 :**

Name	Share Document
Description	Share A Document From The App
Actor	User
Scenario	<ol style="list-style-type: none"><li>1. Selects The Document</li><li>2. Views The Document</li><li>3. Click On Share Button</li><li>4. Shares The Document</li></ol>

### 4.3 Data Flow Diagram



## 4.4 State Transition Diagram

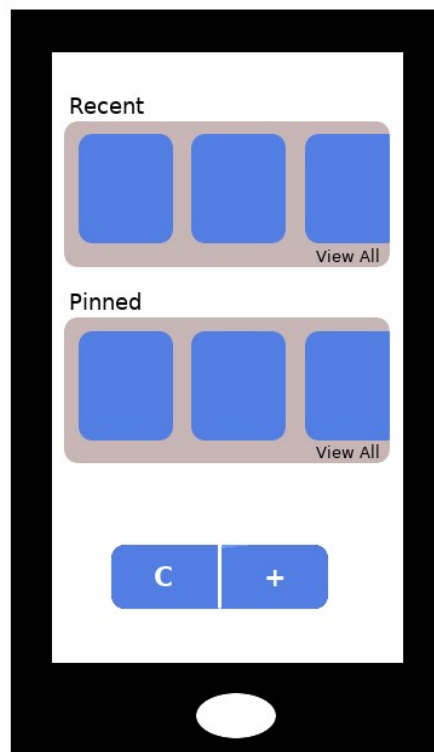




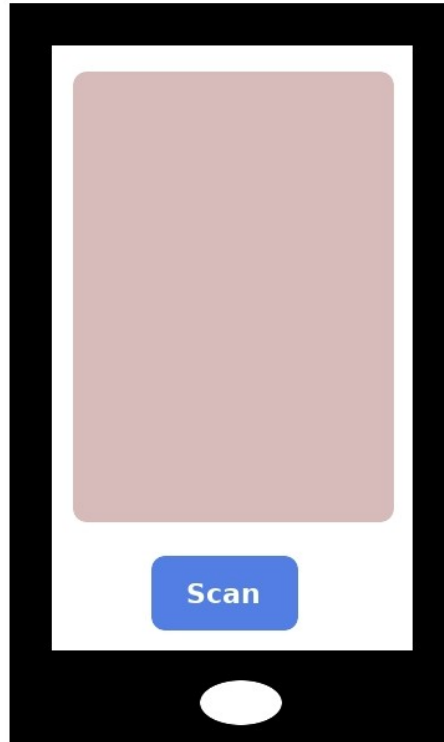
## 5. Graphical User Interface Design

### 5.1 GUI Models

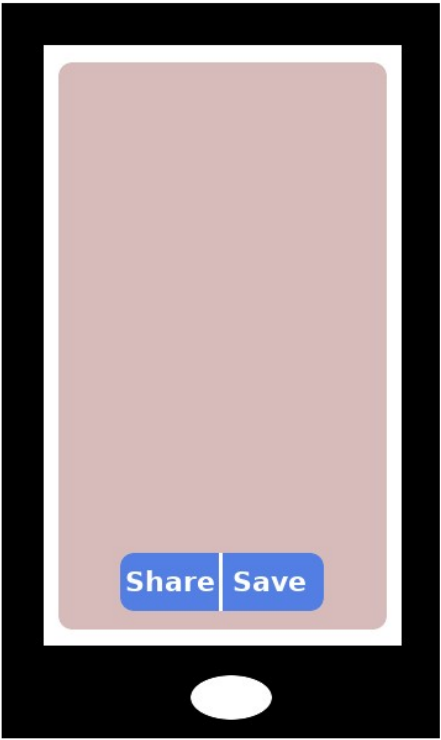
#### Homepage



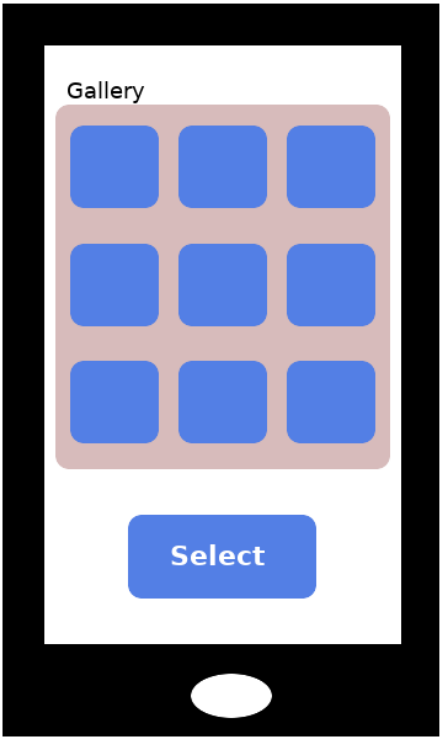
## Scanner



Document Viewer



Select Image Screen



**Edit Document Screen**

