System Design Document

Cardzo
-
Document Tools
& EBookReader

Submitted By

Sidarth CS

Praveen Kumar T Krishnendu Suresh

Jyothis KS

Jabirhusain KP

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1. INTRODUCTION

1.1. Purpose

This purpose of this document is to outline in detail the system design of Cardzo - Documents 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 give the user pretty much every features regarding managing documents like converting, creating, viewing documents along with an epub reader to make it easy to read books from our smartphone device. Our app mostly works on offline to ensure that the privacy and security of user and user's documents. Even if there is some features requires to make use of our servers no files stored on server.

3. Design Considerations

3.1. Goals

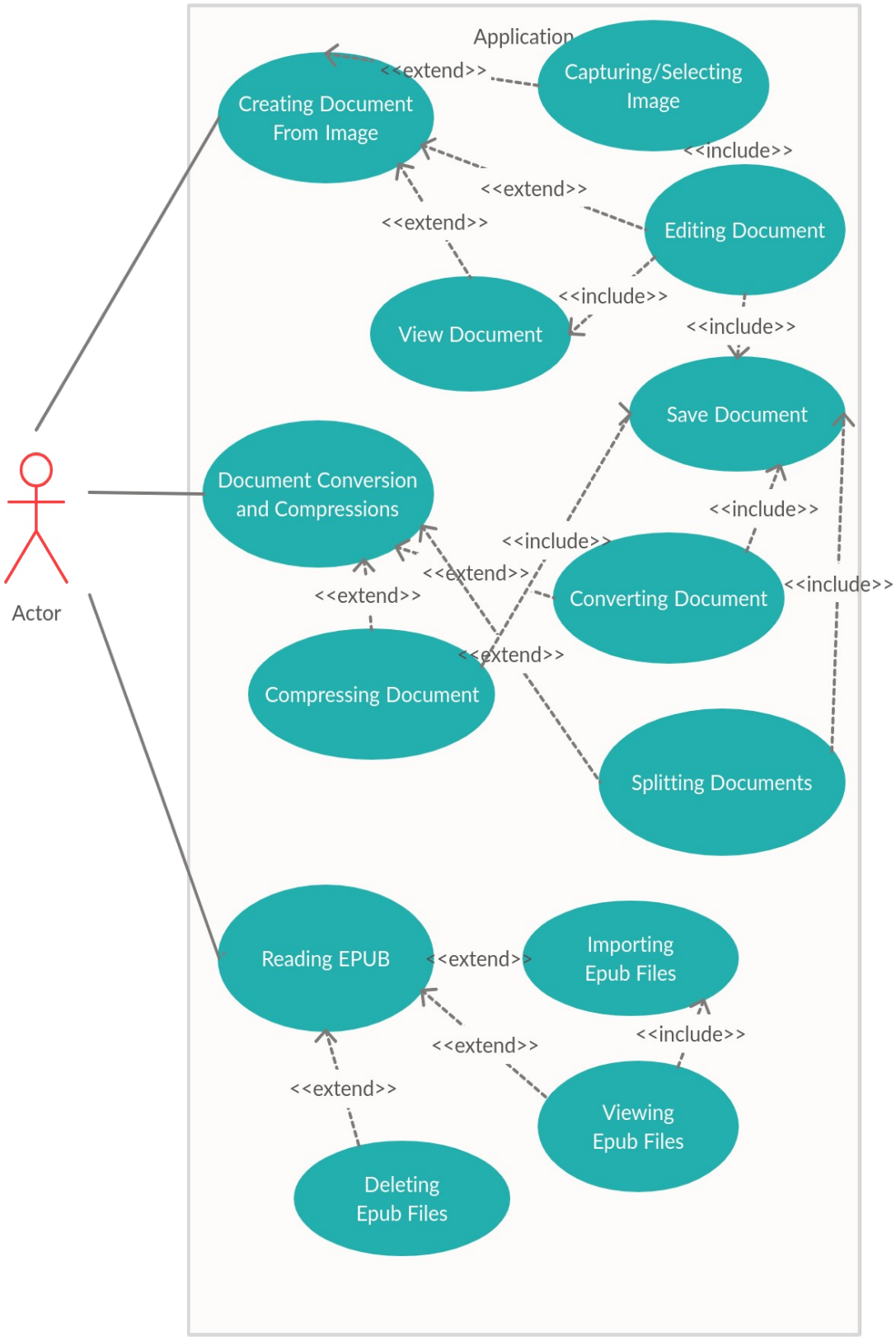
- Ease of usability is top priority for the development process.
- The application will have buttons with labels that explain the functionality of that button.
- Making more features available in one app

3.2. Development Methods

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

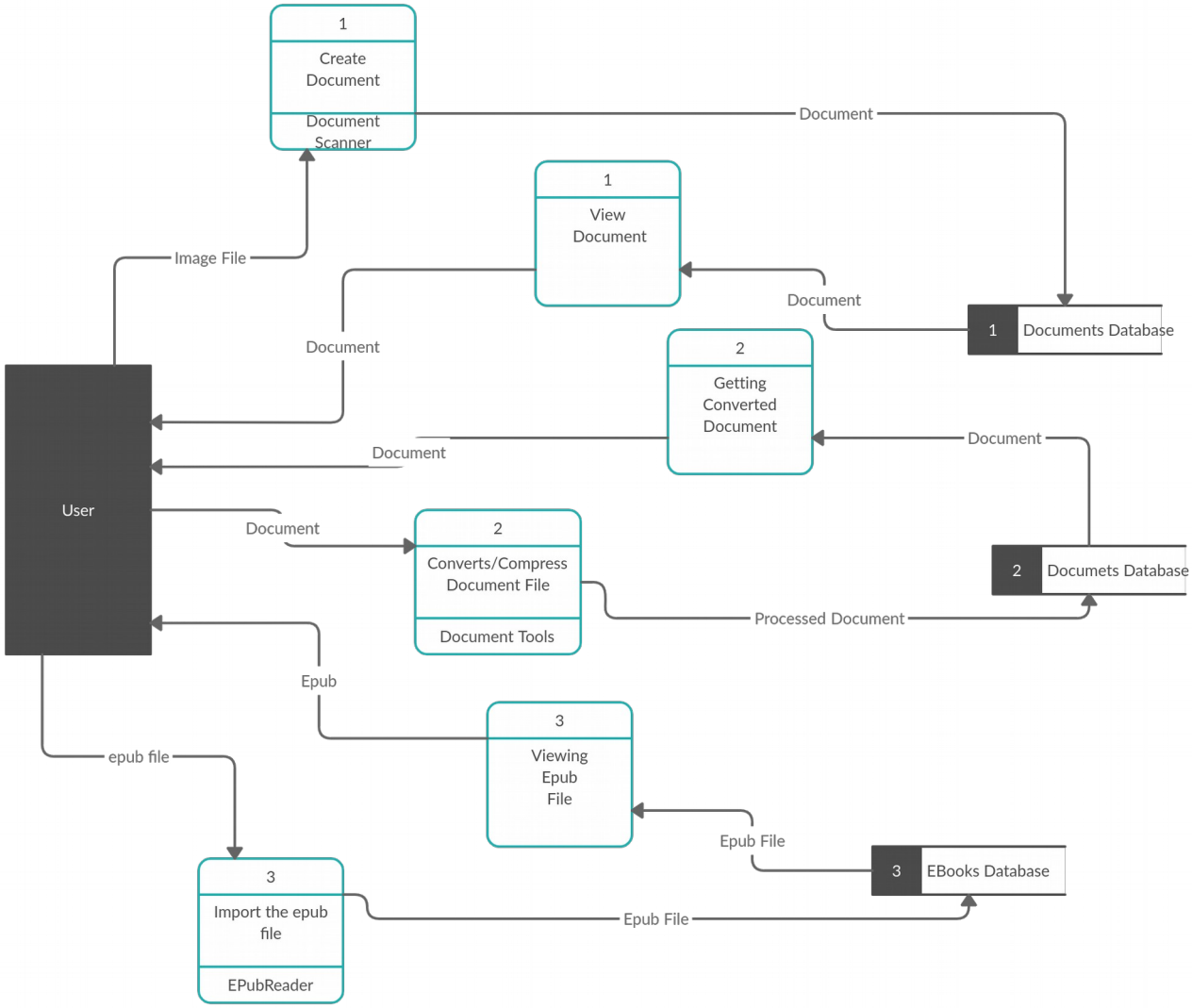
4. System Design

4.1 Use Case Diagram

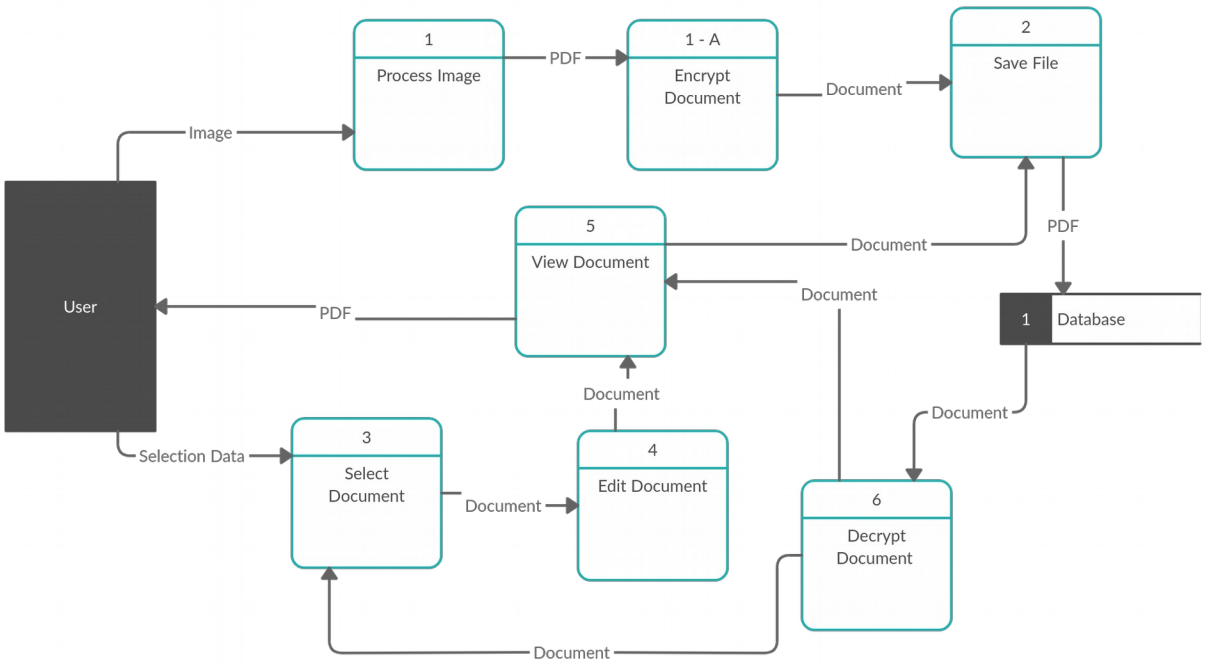


4.2 Data Flow Diagrams

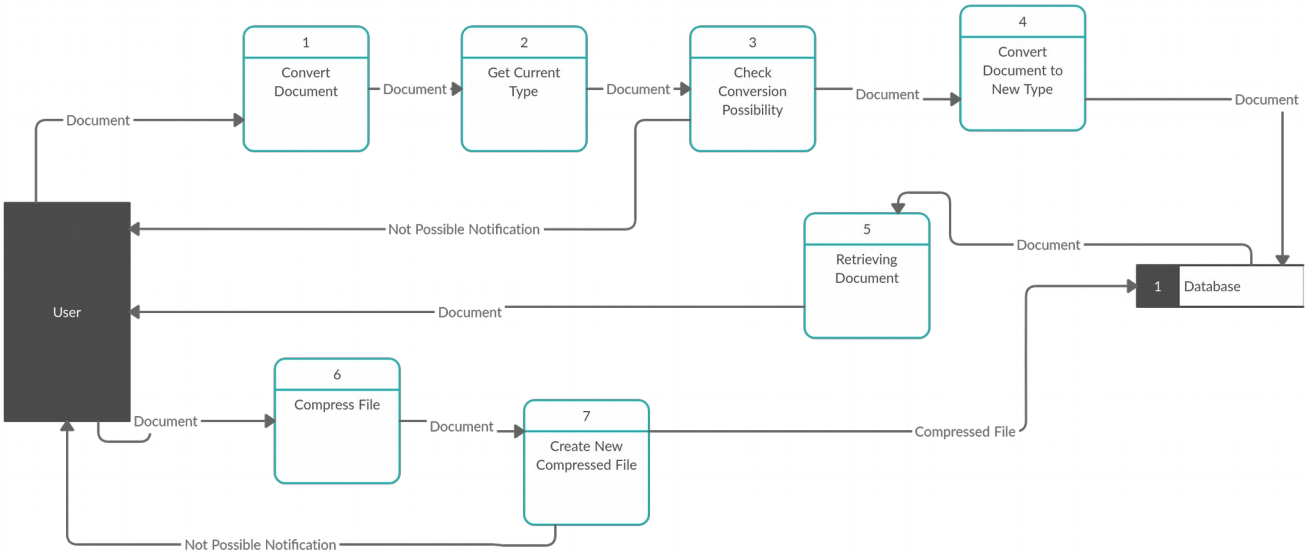
Application Data Flow Diagram



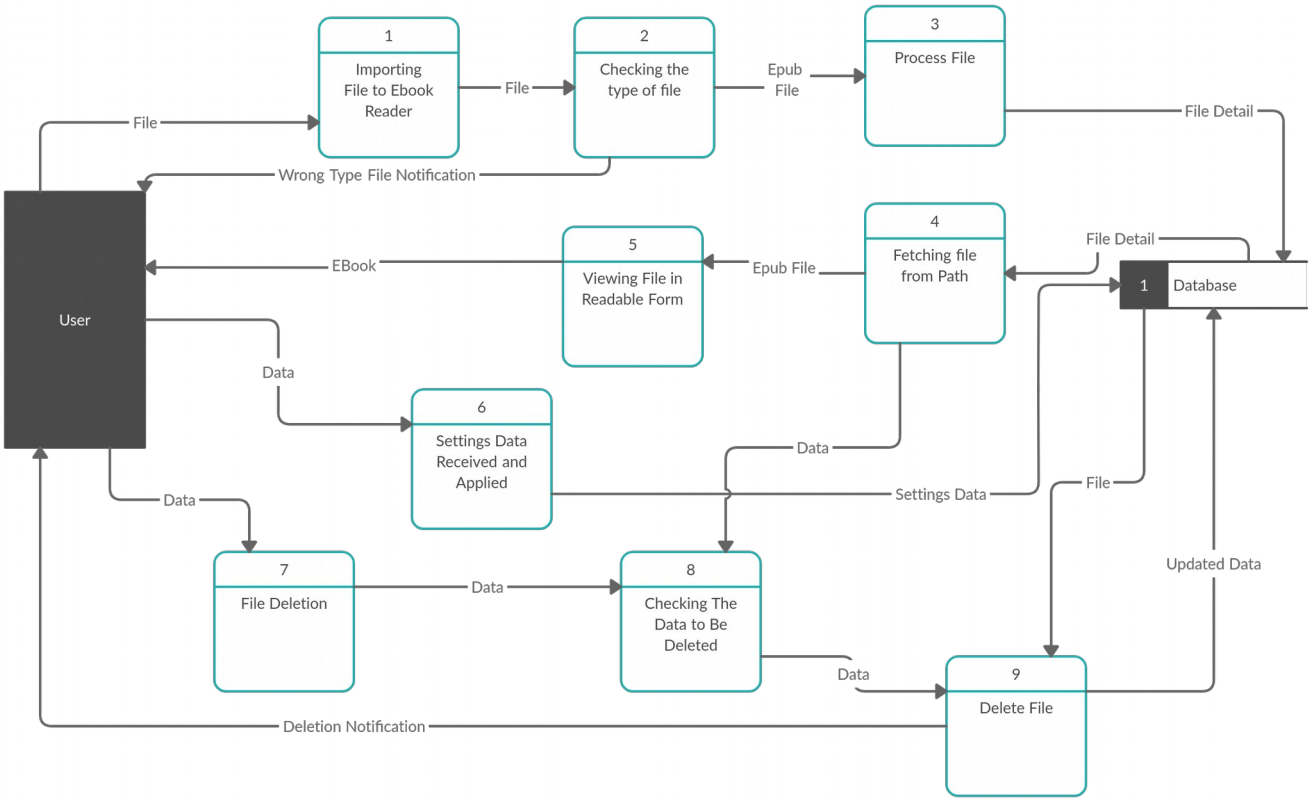
Document Scanner Module Data Flow Diagram



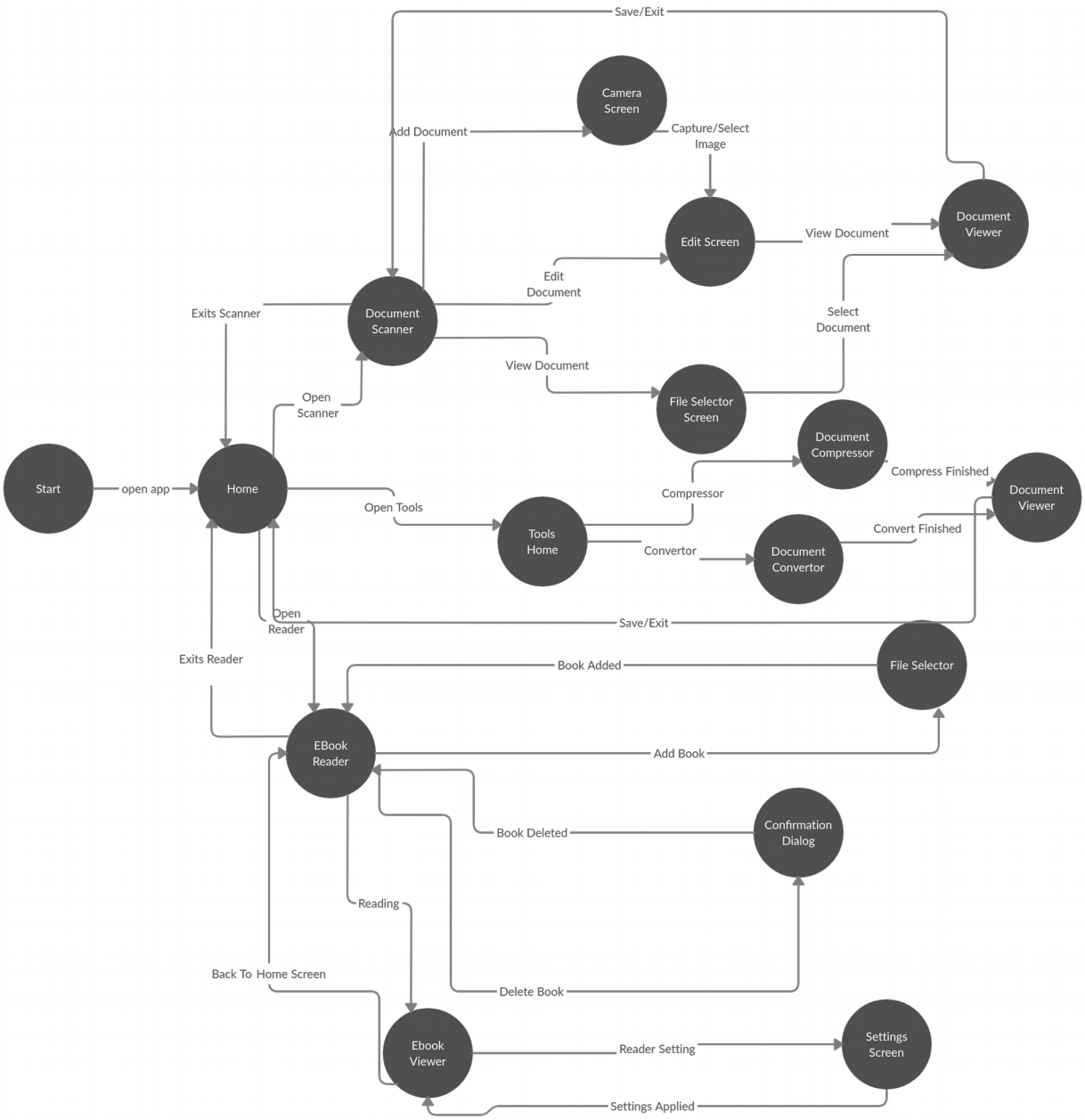
Document Tools Module Dataflow Diagram



Ebook Reader Module Data Flow Diagram



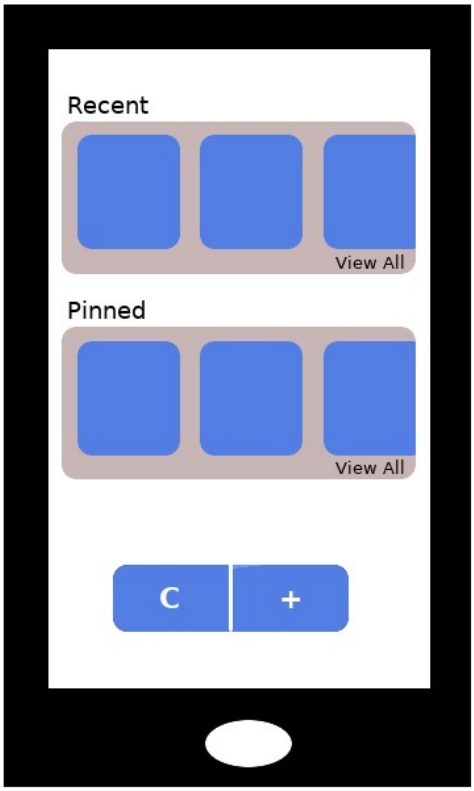
4.3 Transition Diagram



5. Graphical User Interface

5.2 GUI Models

Document Scanner Home



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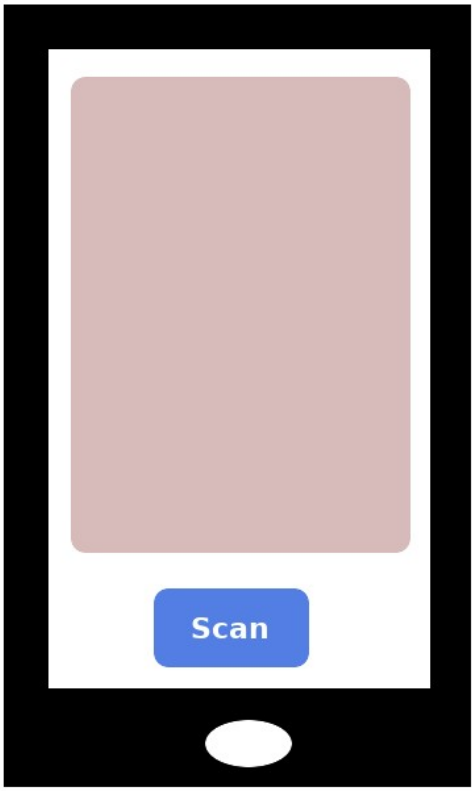
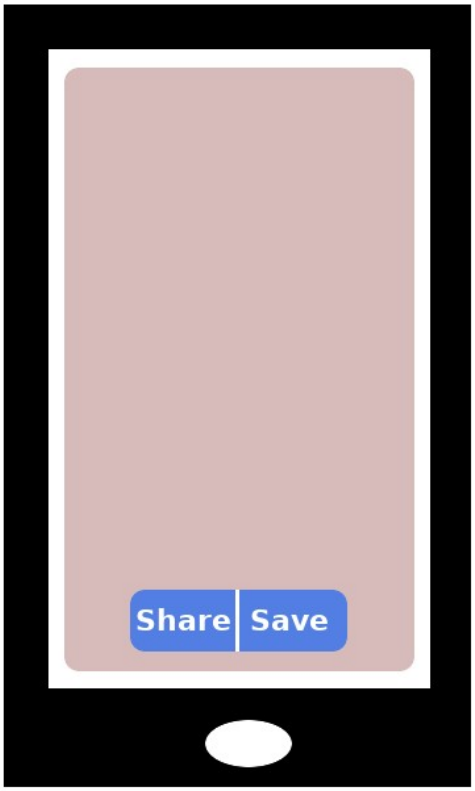
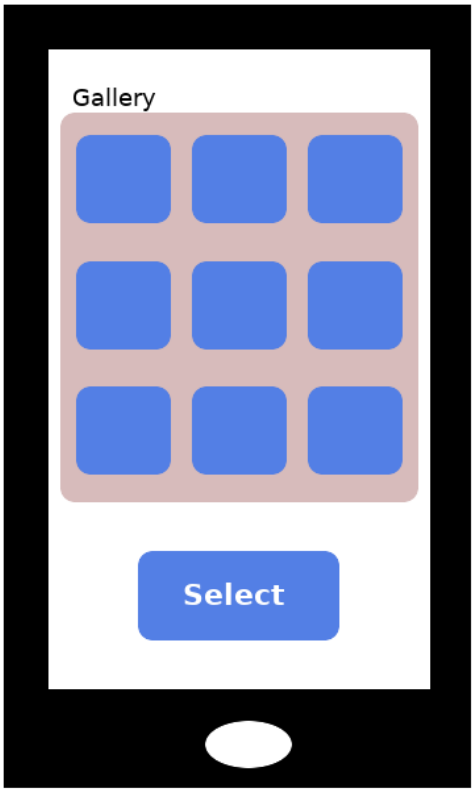


Viewer



Document Selection Screen