



Gyalpozhing College of Information Technology
Royal University of Bhutan



ITW202 Mobile Application

Assignment-II

SECTION: A

NAME: TASHI PENJOR
ENROLLMENT NUMBER: 12190087

Module Tutor: Sonam Wangmo

1. Introduction

i. Purpose

The interest of this research is to develop a suitable diary mobile application that matches the current lifestyle and enhance the experience of diary writing on the go as people are spending more time on their smartphone than ever.

ii. Scope

System Scope

- a) Passcode: Since the app is diary book, people need privacy for what they have written.
- b) Add: User can add the events that they want to add.
- c) Delete: Users can delete the saved document.
- d) Edit: Users can edit the document that is saved.

User Scope

The scope of this project is mainly for the people who want to maintain their activities that they do in their lives.

2. Requirements

a. Functional Requirements

In functional requirements, we will discuss the features that will be implemented while developing this project.

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b. Non Functional Requirement

In non-functional requirements, we will discuss the behaviour of the application which is going to be developed. And it includes following behaviours:

- Performance
 - The database shall be able to accommodate a lot of records. The software shall support the use of multiple users at same time. The app shall be independent of the different versions of android.
- Responsiveness
 - Matching the graphical interface with the screen size of phone.
- Support-ability
 - This app can be installed and run on any android smartphones. The size of the smartphones will not affect the performance of the application.

c. Software Requirement

For Developer

1. Android studio version 4 and above.
2. Java version: Java SE jdk 8 and above.
3. Android SDK-25 and above.
4. Operating System- Window and Ubuntu.
5. Database : Mysql

For user

Android version above 6
2 GB RAM

d. Hardware Requirement

For developer

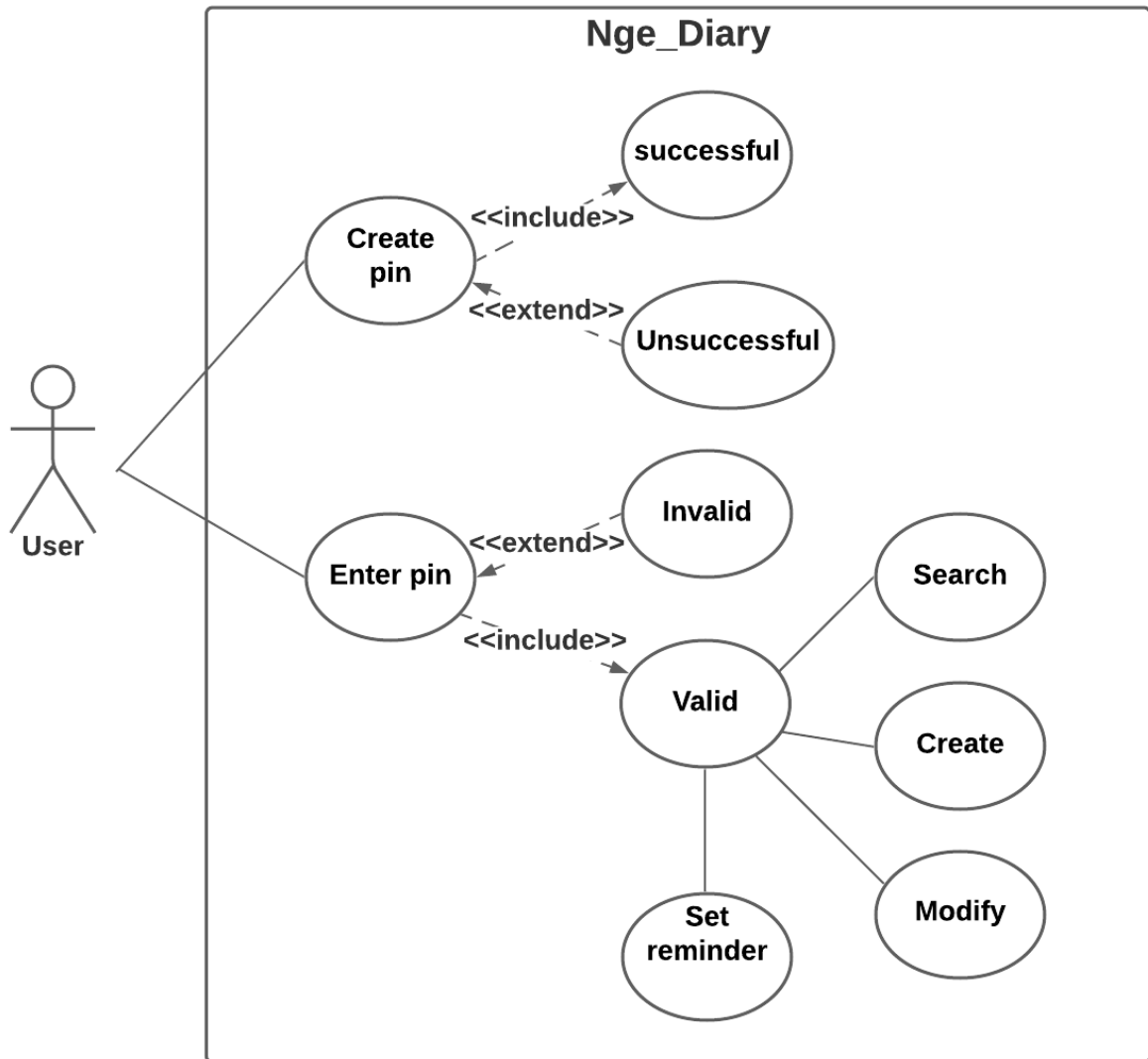
1. RAM 8GB
2. 2.00GHz*4 processors.

For User

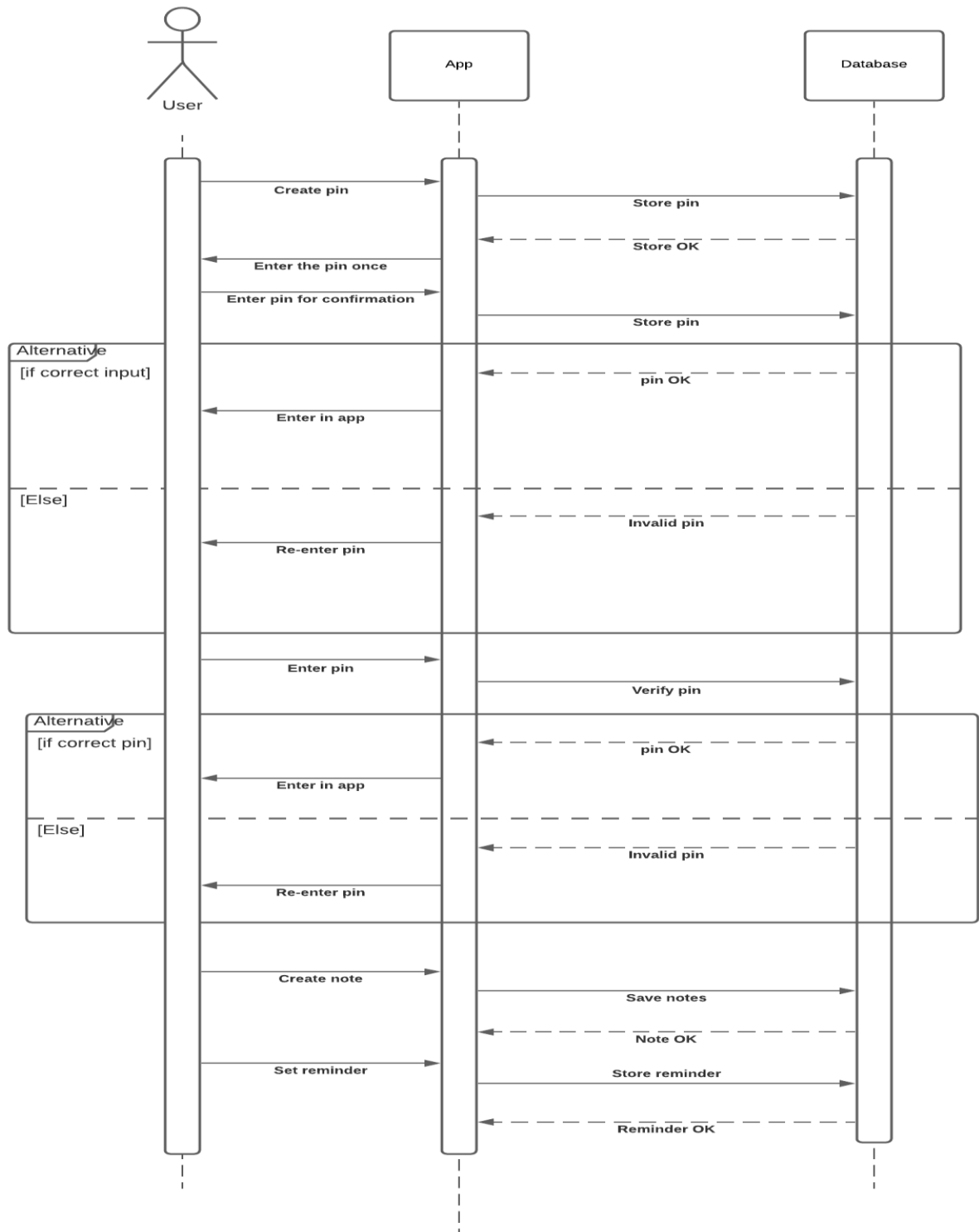
1. Smartphones

3. System Design

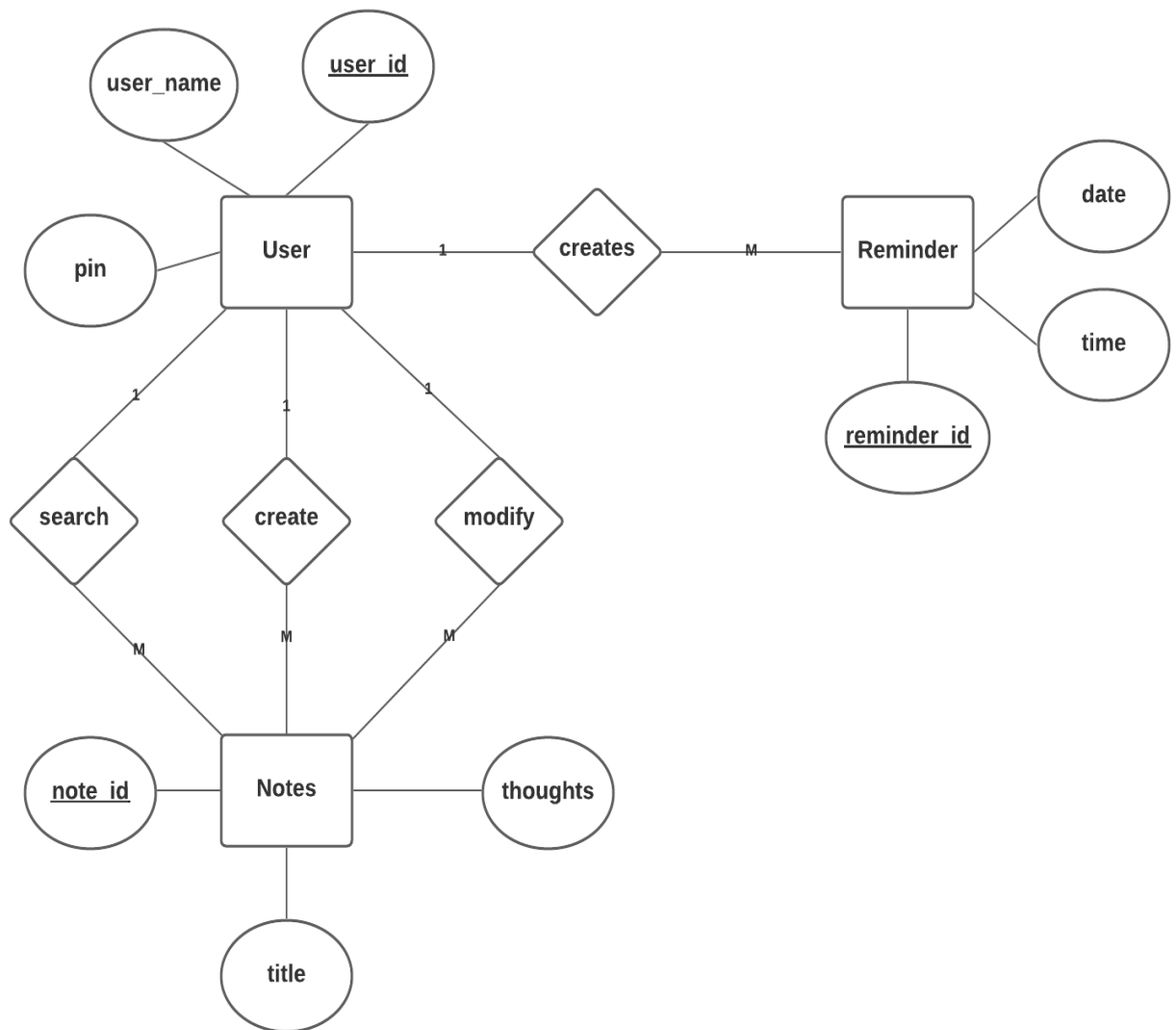
1. Use case Diagram



2. Sequence Diagram



3. ERD



4. Relational Schema

