

# Souvenir



## Project Team

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Project - Advanced Java Technologies

Monsoon Semester-2017-18

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## Project Team members

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## Introduction to the Project

- Main Goal/Objective of developing the software.
- To keep a note of your to do list and remind you when needed
- Description of the Project.
- This application provides the functionalities like Notes, Making Doodles and Setting Schedules.
- The application also provide Locking as well as Sharing of doodles and Notes.

## Actors/End-users of the Software

- Registered User
  - Can Add, Edit, Share and Delete Notes and Doodles.
  - The Registered user can Add, Edit, and Delete Schedules.
  - User can also make the notes and schedules read in male or female voice as per choice.

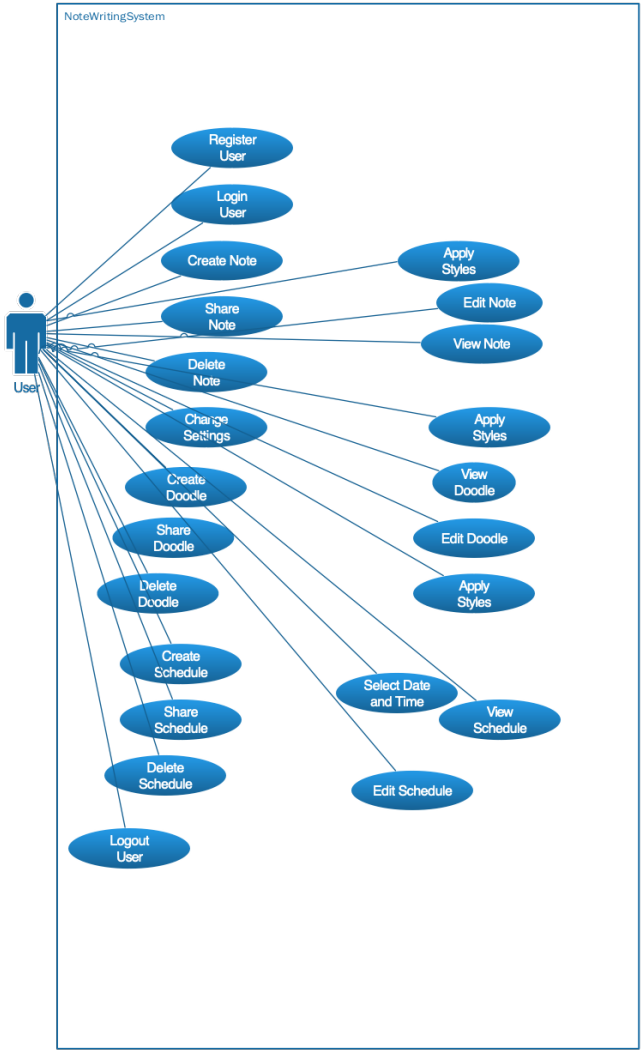
## Module-wise functionality

- Notes – Take Notes , Edit Notes , Delete Notes , Share Notes, Speak-Out Notes.
- User can take notes and also add images, emphasize important data by making important parts bold, italics or underlined.
- User can share notes after creation, with other user of this application.
- User can make the note text read out loud.
- Doodles– Add Doodles, Edit Doodles, Delete Doodles, Share Doodles.
- User can draw anything free handed in a various range of colours
- User can also draw on images.

## Module-wise functionality

- Schedules– Create Schedules, Edit Schedules, Delete Schedules, Read Schedules.
- User can set up his/her schedule according to the date and Time.
- User can make the speak the Schedules read out loud.

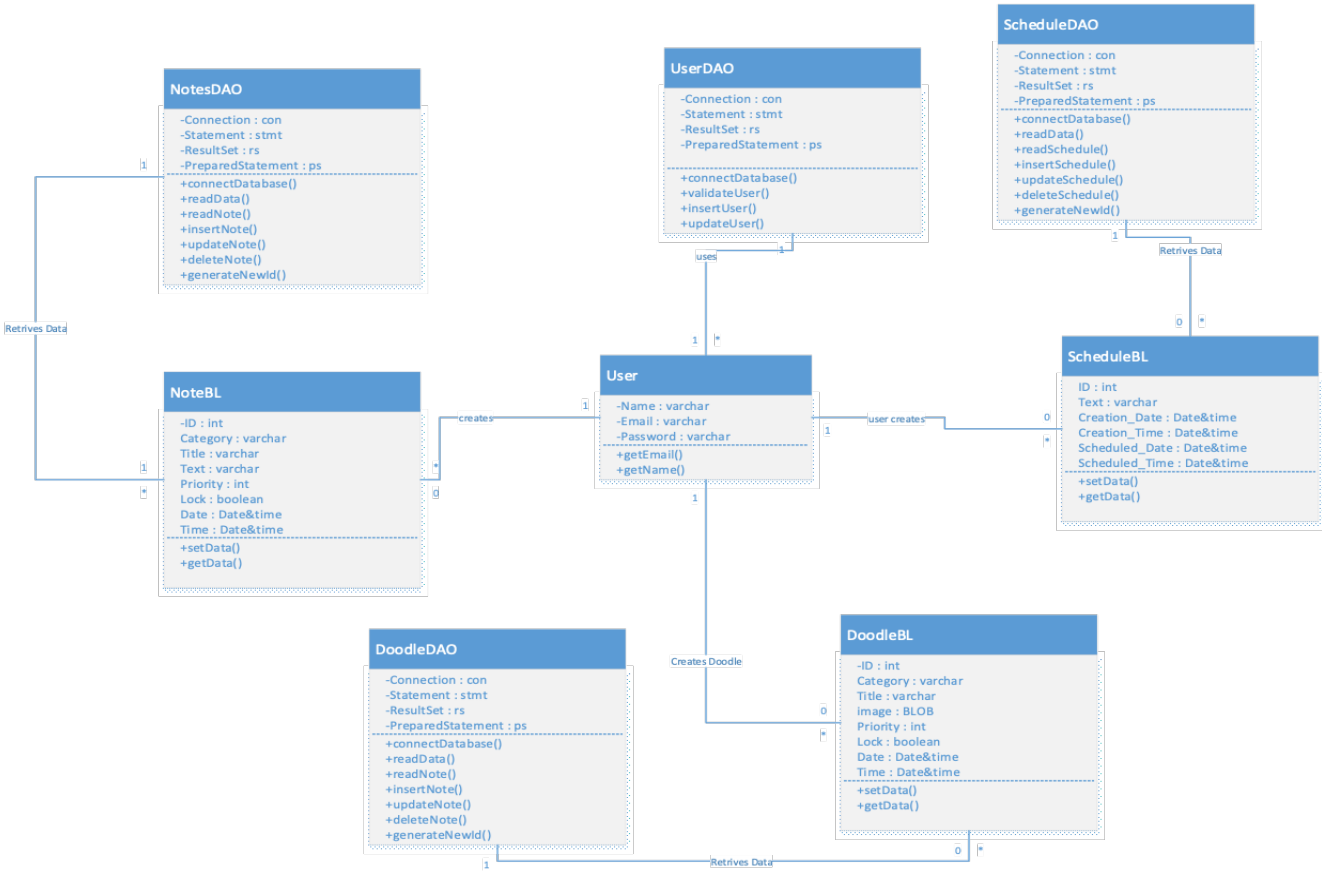
# Use Case



Souvenir – The Note Keeper

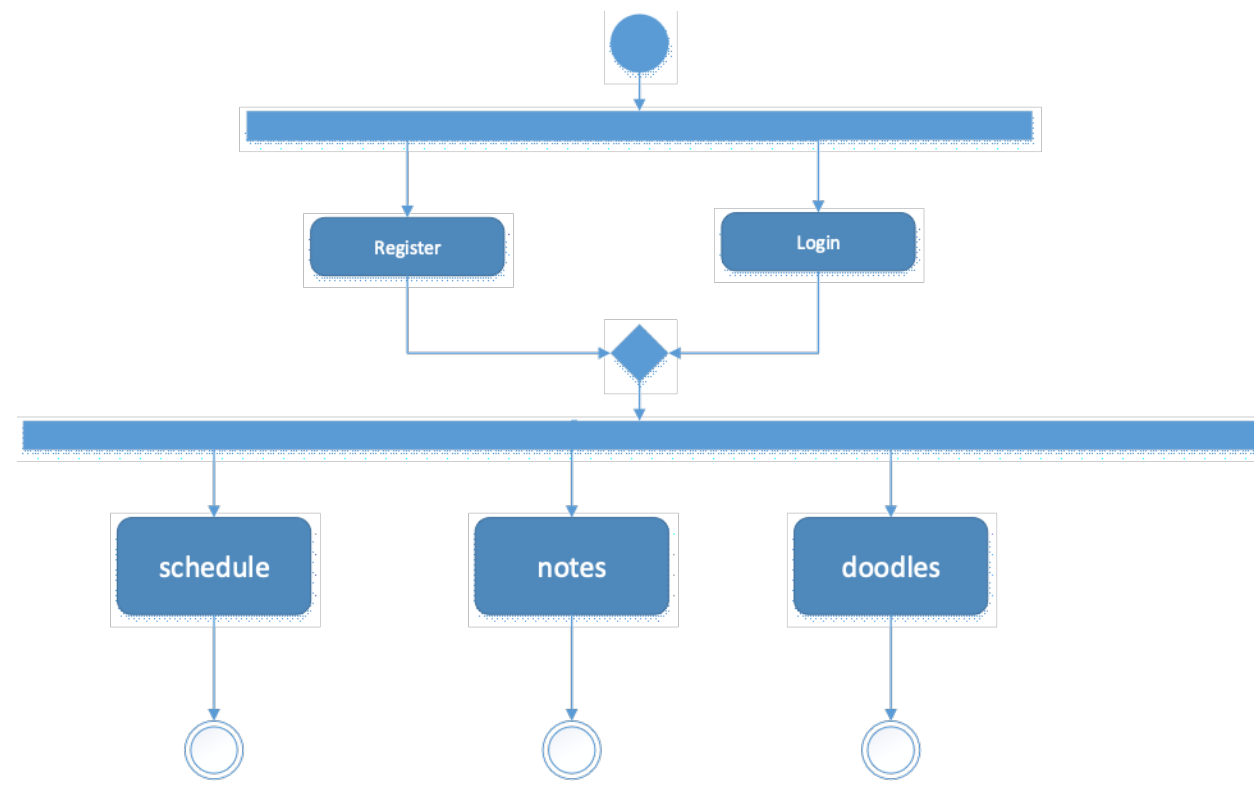


# Class diagram



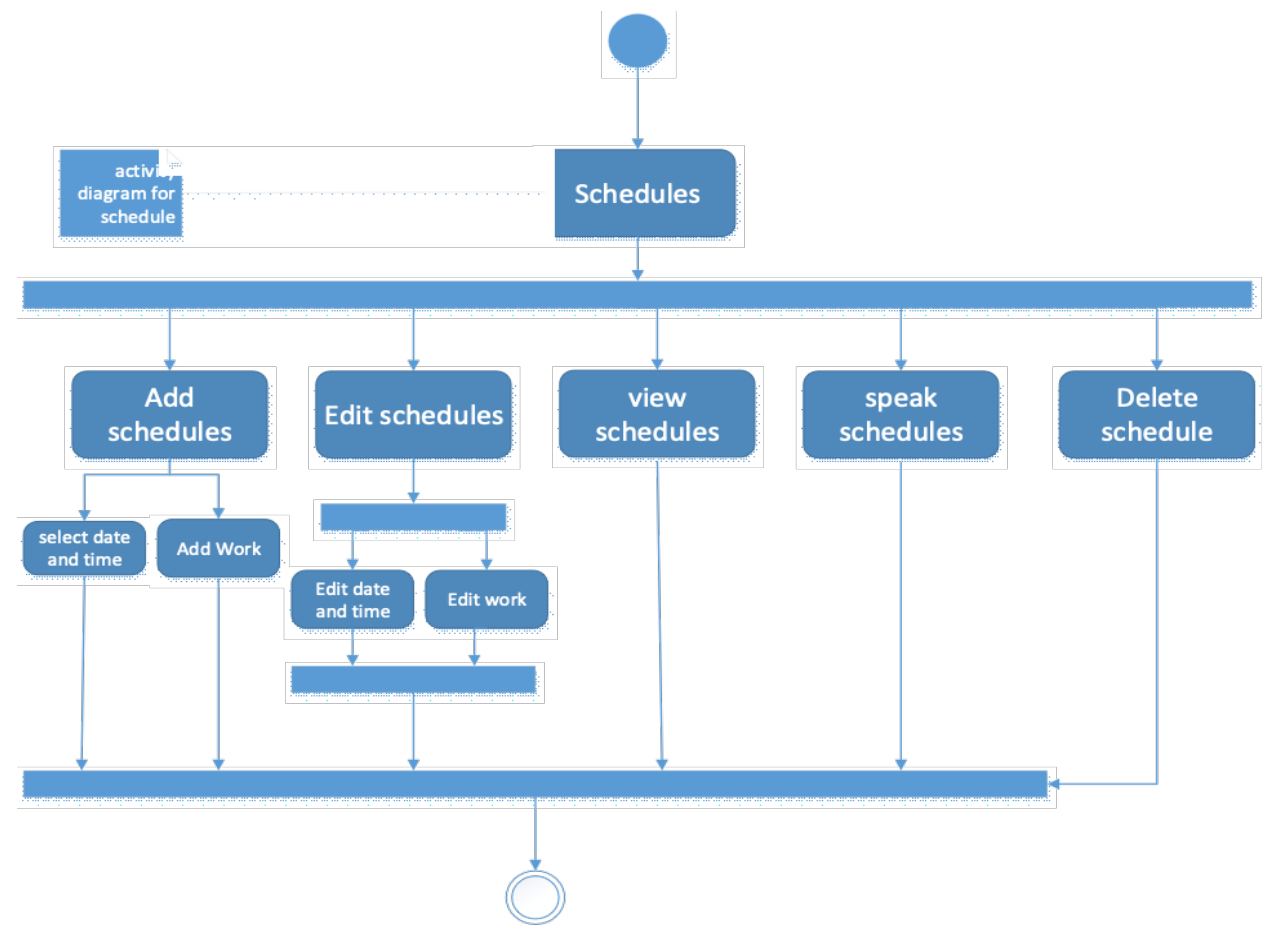
# Activity Diagram

1.

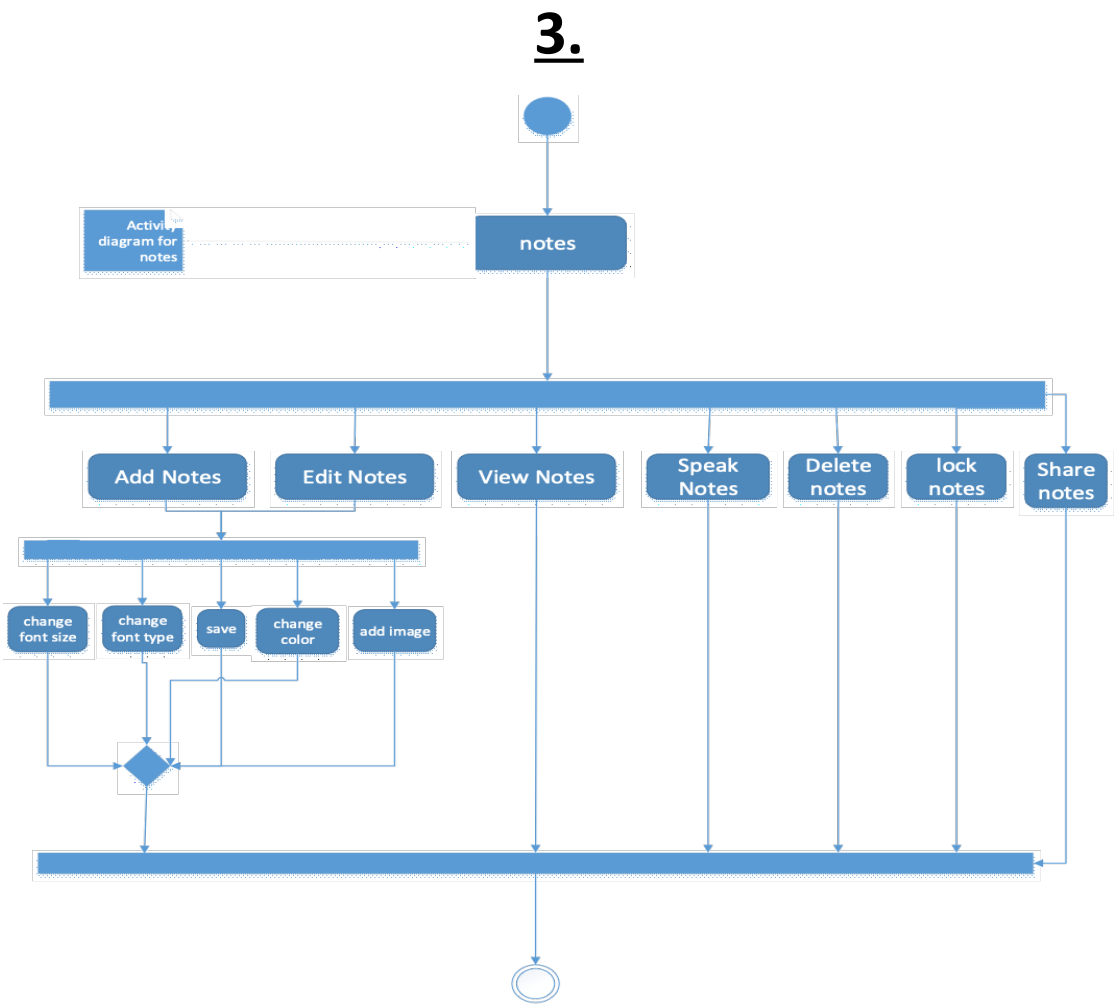


# Activity Diagram

2.

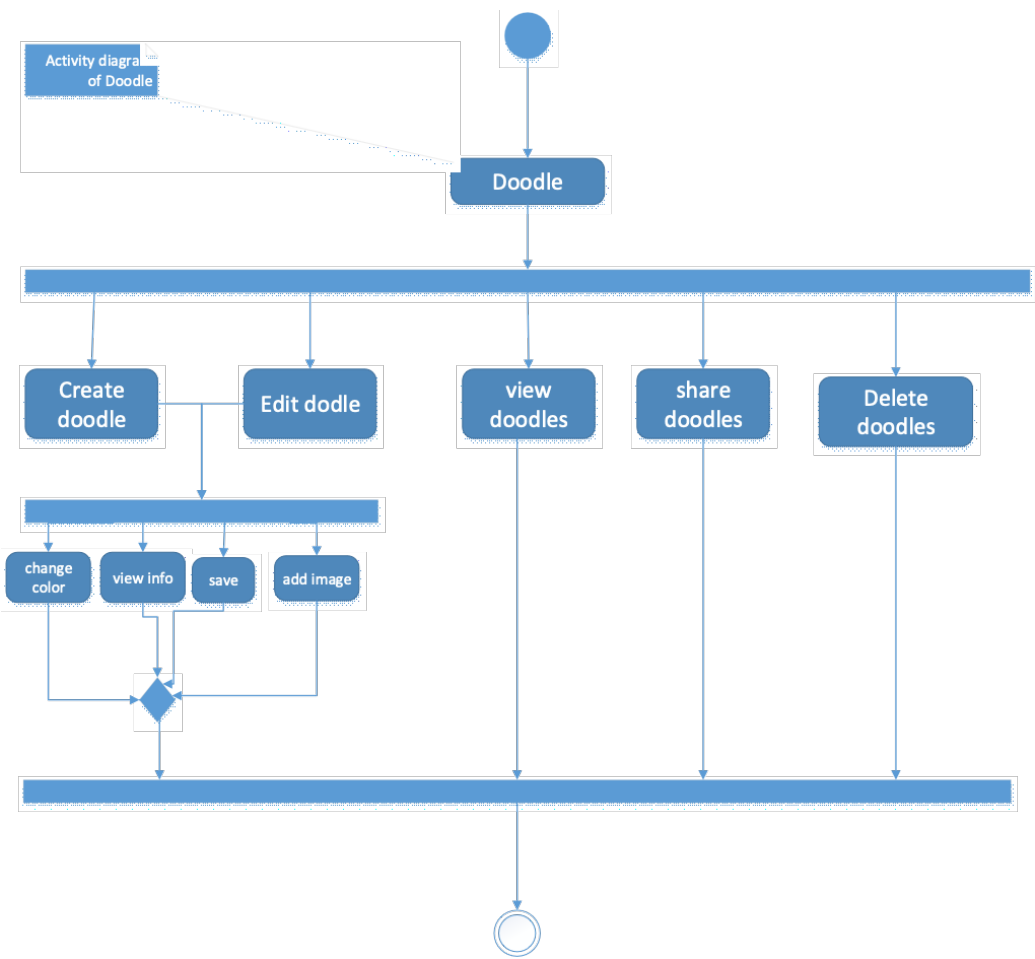


# Activity Diagram



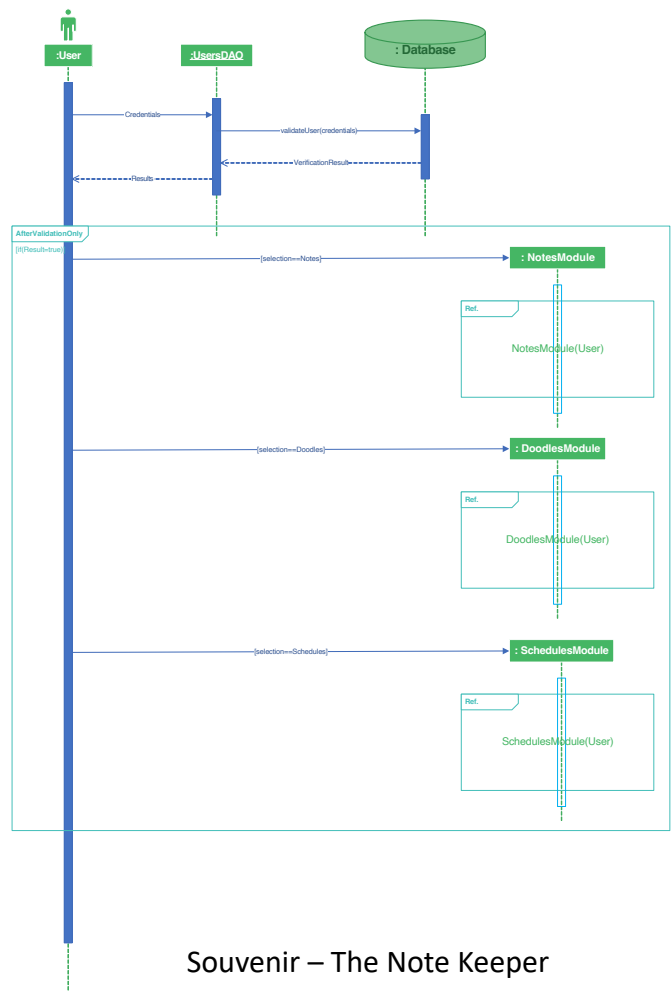
# Activity Diagram

4.



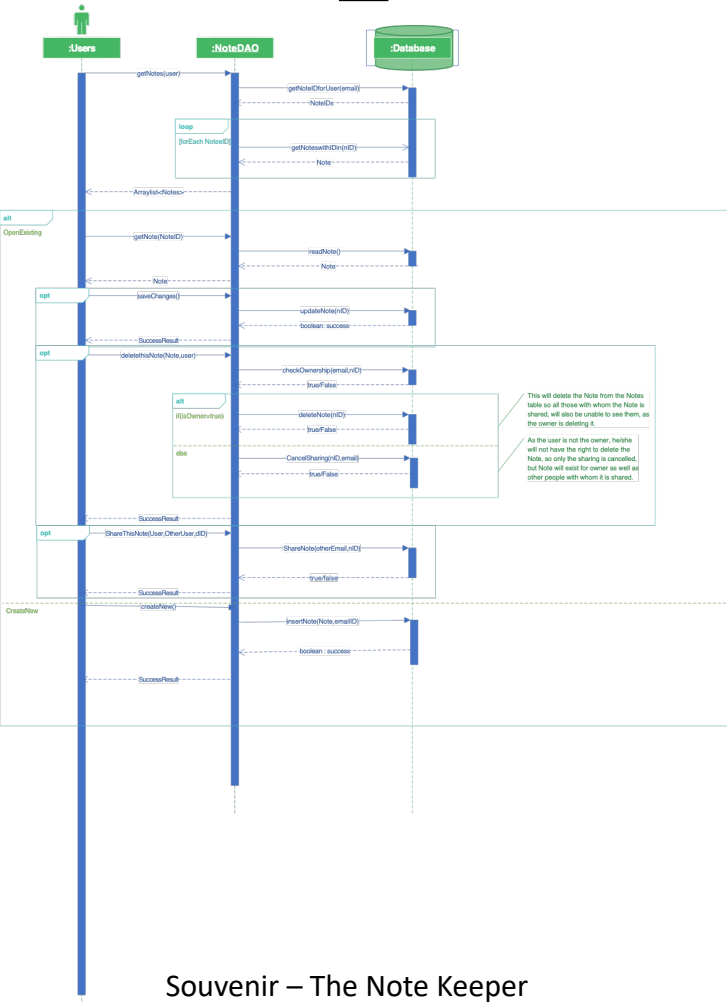
# Sequence Diagram

1.



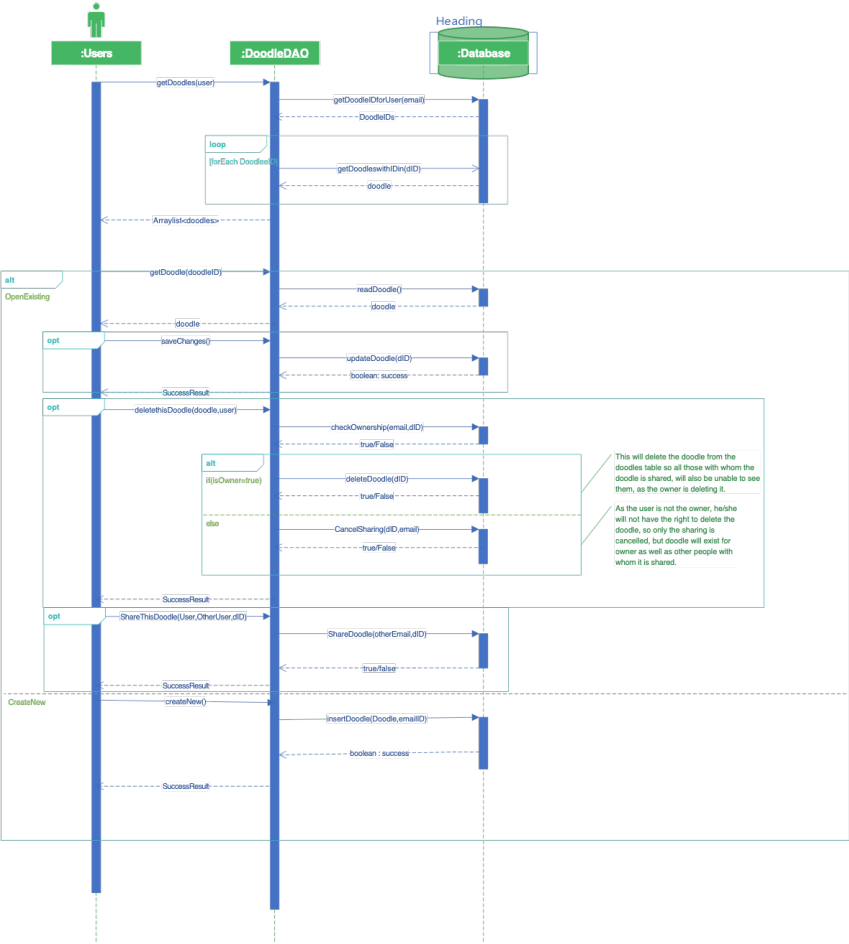
# Sequence Diagram

2.



# Sequence Diagram

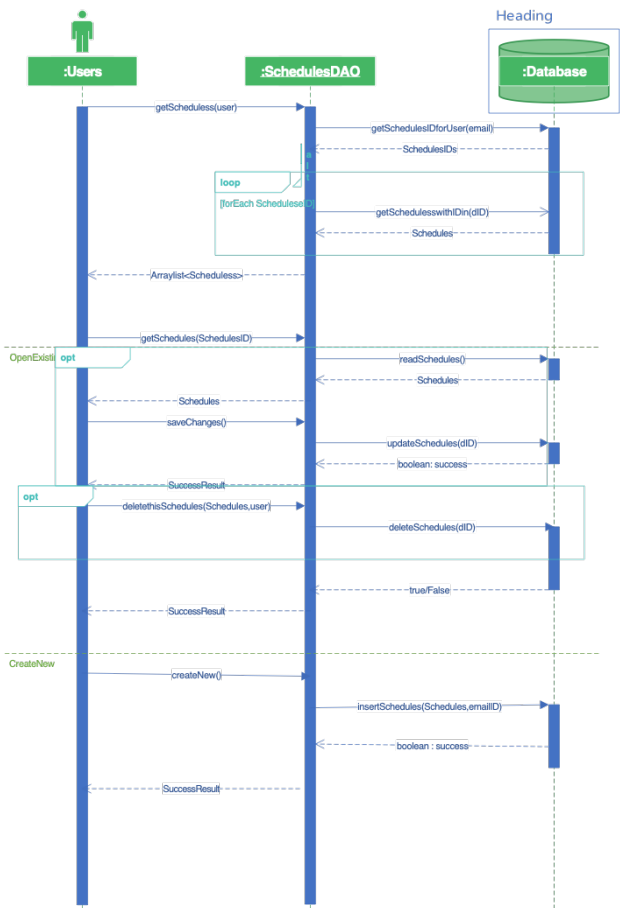
3.



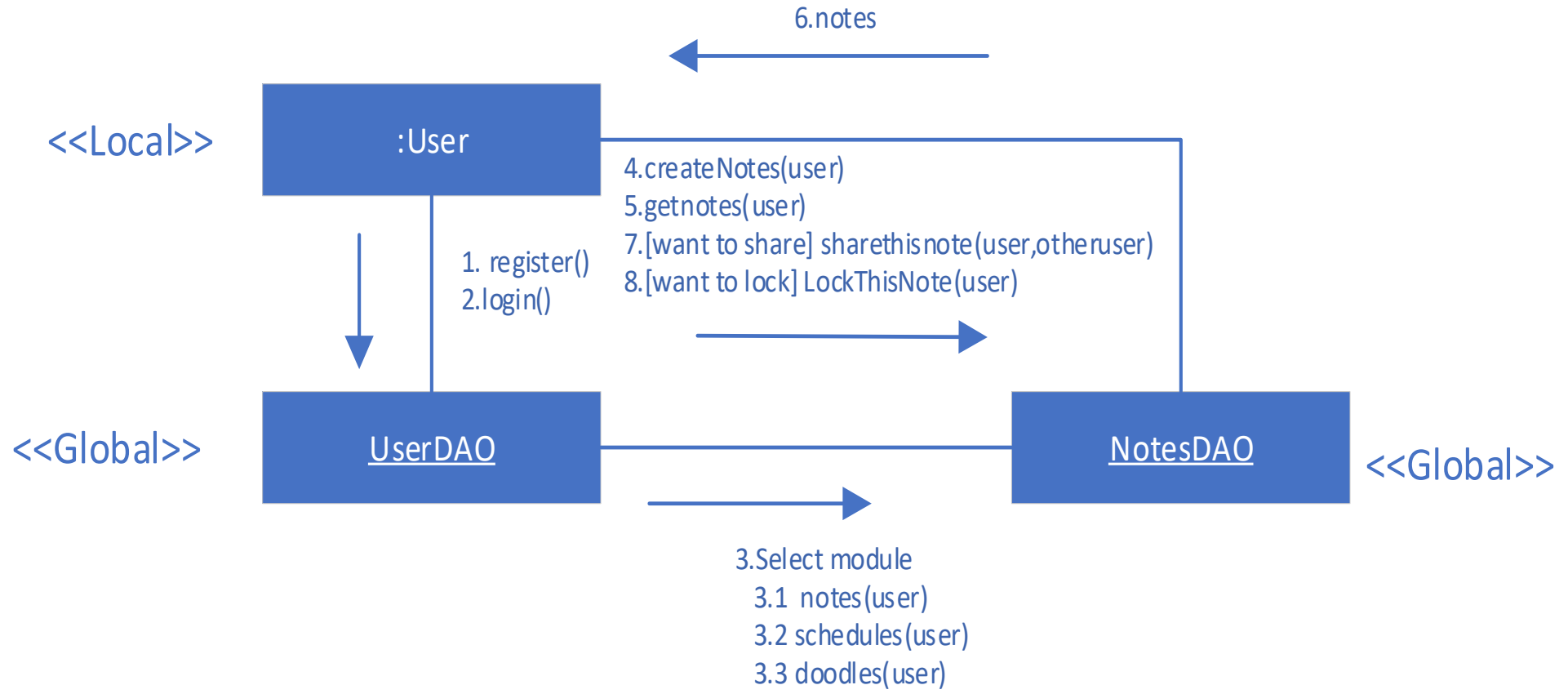


# Sequence Diagram

4.



# Collaboration Diagram



# Data Dictionary

## 1) User

Sr No.	Field Name	Data Type	Constraint	Description
1	Name	Varchar(50)		
2	Email	Varchar(100)	#P.K, Not Null	
3	Password	Varchar(16)	Not Null	

## 2) Notes

Sr No.	Field Name	Data Type	Constraint	Description
1	ID	Integer	#P.K	
2	Category	Varchar(50)		
3	Title	Varchar(10000)		
4	Text	Varchar(10000)		
5	Priority	Integer		
6	isLocked	Boolean		
7	Date	Date		
8	Time	Time		
9	Image	Blob		

## 3) Owners

Sr No.	Field Name	Data Type	Constraint	Description
1	Email	Varchar(50)	#F.K	
2	NotelD	Integer	#F.K	
3	IsOwner	Boolean		

#### 4) Schedule

Sr No.	Field Name	Data Type	Constraint	Description
1	ID	Int	#P.K	
2	Text	Varchar(1000)		
3	Creation_Date	Date		
4	Creation_Time	Time		
5	Sch_Date	Date		
6	Sch_Time	Time		

## 5) Owner Schedule

Sr No.	Field Name	Data Type	Constraint	Description
1	Email	Varchar(50)	#F.K	
2	SchID	Integer	#F.K	

## 6) Doodles

Sr No.	Field Name	Data Type	Constraint	Description
1	ID	Integer	#P.K	
2	Category	Varchar(50)		
3	Title	Varchar(10000)		
4	Text	Varchar(10000)		
5	Priority	Integer		
6	isLocked	Boolean		
7	Date	Date		
8	Time	Time		



## 7) Doodle Owner

Sr No.	Field Name	Data Type	Constraint	Description
1	Email	Varchar(50)	#F.K	
2	DoodleID	Integer	#F.K	
3	Shared	Boolean		

## 8) Images

Sr No.	Field Name	Data Type	Constraint	Description
1	ImgId	Int(11)		
2	Image_Name	Varchar(50)	#F.K	
3	Image	longBlob		

# GUI Screen Designs

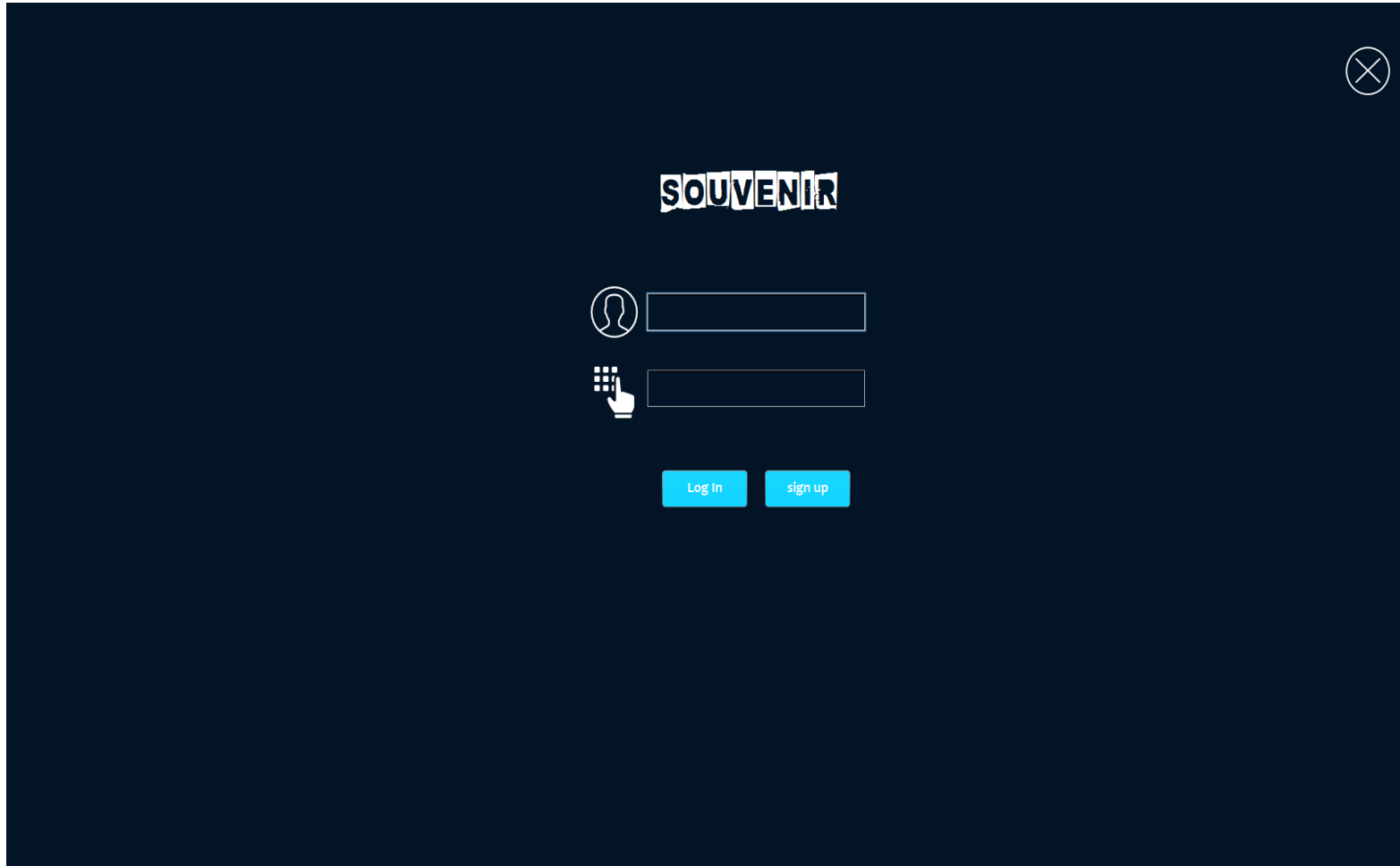
- Screen No. 1 – Splash Screen



Souvenir – The Note Keeper

# GUI Screen Designs

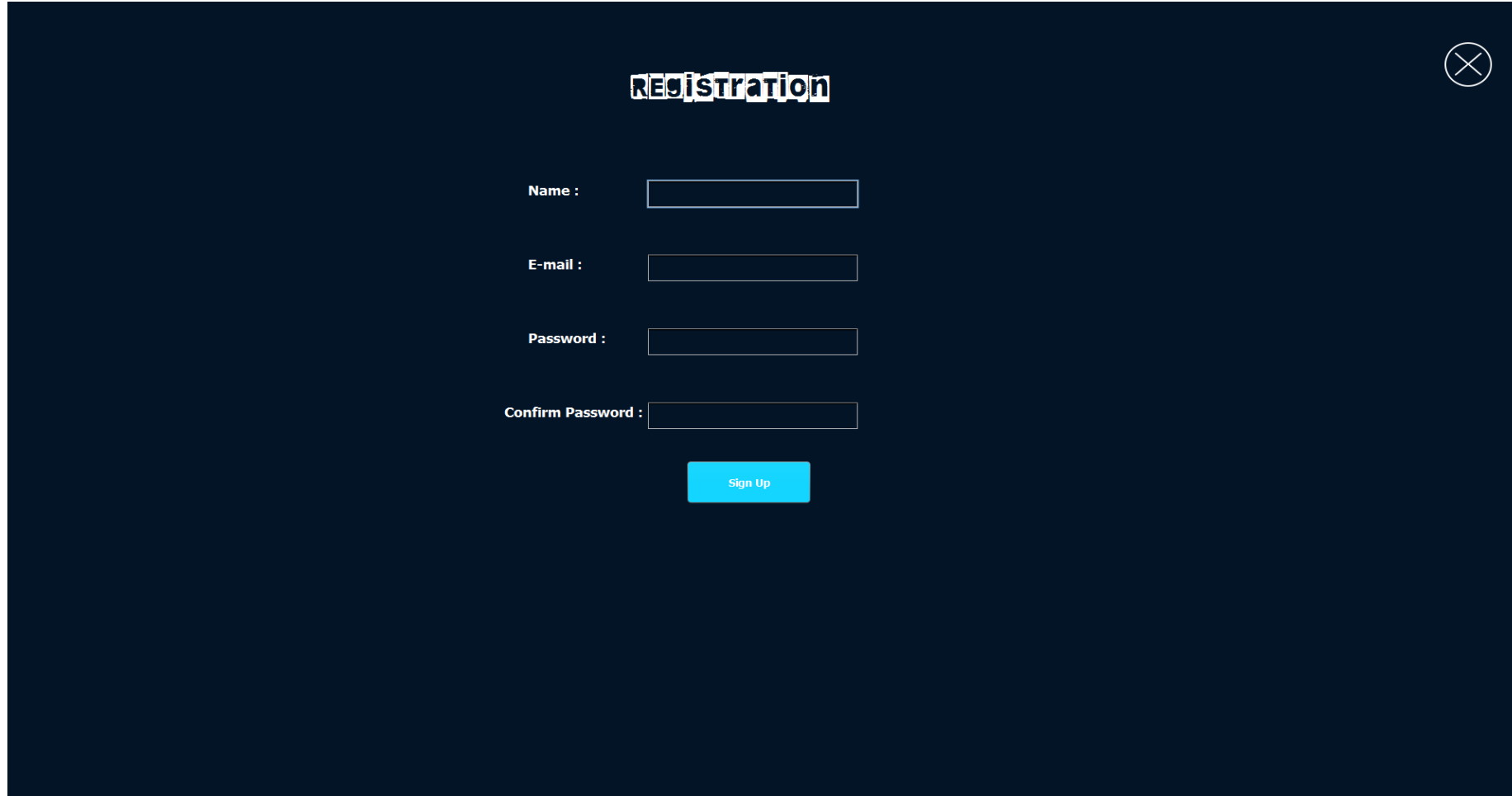
- Screen No. 2 – Login Screen



The image shows a login screen for an application named "Souvenir". The background is a dark navy blue. In the top right corner, there is a small white circle with a cross inside, likely a close button. The word "SOUVENIR" is displayed in the center in a white, bold, sans-serif font, with each letter in its own white rectangular box. Below the title, there are two input fields. The first field is preceded by a white icon of a person's head and shoulders. The second field is preceded by a white icon of a hand pointing at a grid of dots. Below these fields are two light blue buttons with white text: "Log In" and "sign up".

# GUI Screen Designs

- Screen No. 3 – Registration Screen



The image shows a registration screen with a dark blue background. At the top center, the word "Registration" is displayed in a white, stylized font. In the top right corner, there is a white circular icon with a cross inside. Below the title, there are four input fields, each preceded by a label: "Name :", "E-mail :", "Password :", and "Confirm Password :". The input fields are white rectangles with thin borders. At the bottom center, there is a bright blue rectangular button with the text "Sign Up" in white.

# GUI Screen Designs

- Screen No. 4 – Home Screen



# GUI Screen Designs

- Screen No. 5 – Calendar Screen for Schedules

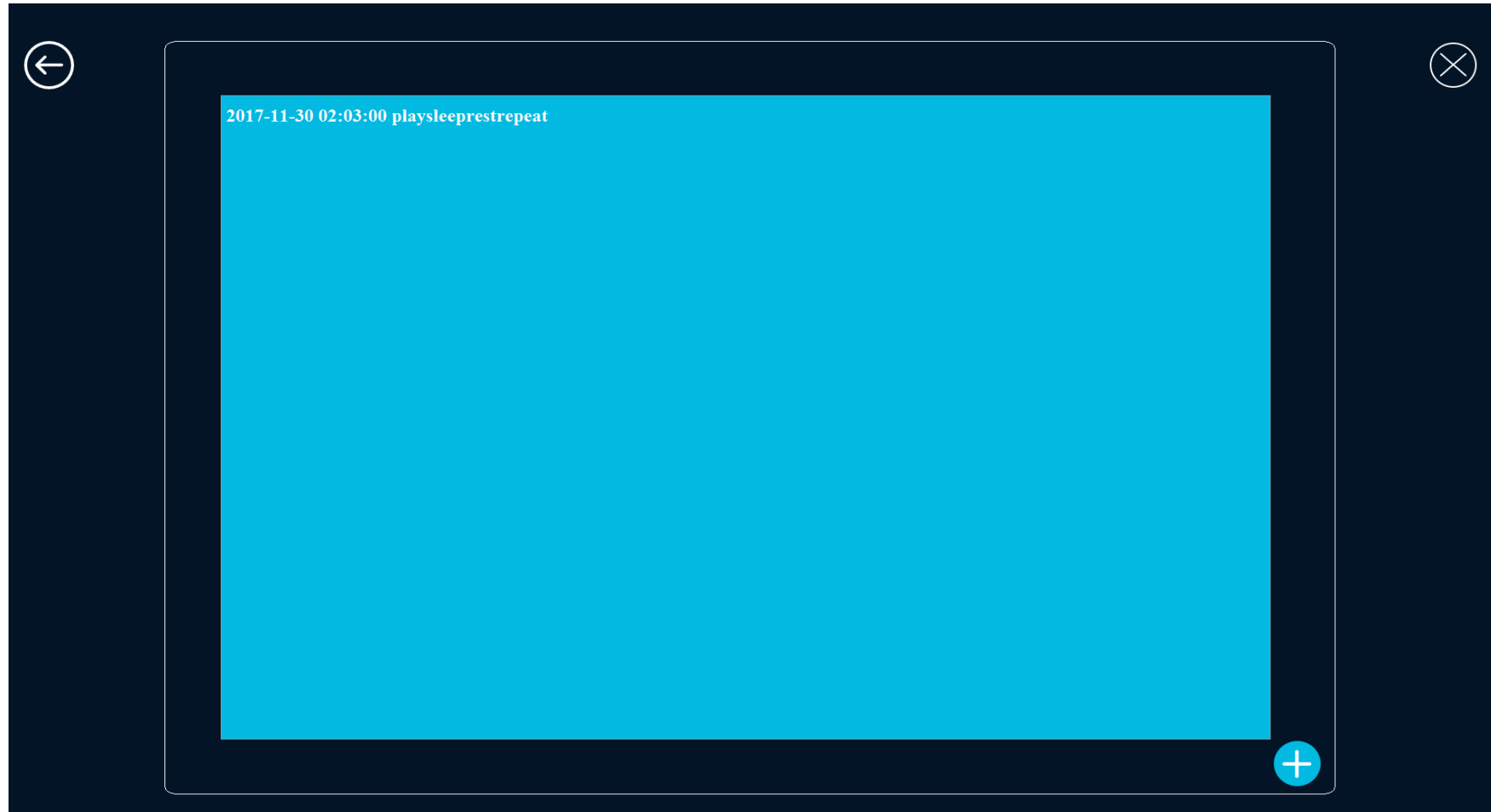


The image shows a GUI for a calendar screen. At the top, there is a dark blue header bar with a back arrow icon on the left and a close 'X' icon on the right. Below the header, a light gray bar displays 'November' on the left and '2017' on the right. The main content is a calendar grid with light blue cells and dark blue borders. The days of the week are listed in the first row: Sun, Mon, Tue, Wed, Thu, Fri, Sat. The dates are arranged in rows: the first row of dates starts on Wednesday (1-4), the second row contains dates 5-11, the third row contains dates 12-18, the fourth row contains dates 19-25, and the fifth row contains dates 26-30. The date '13' is highlighted in red. The bottom of the screen is a solid dark blue bar.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

# GUI Screen Designs

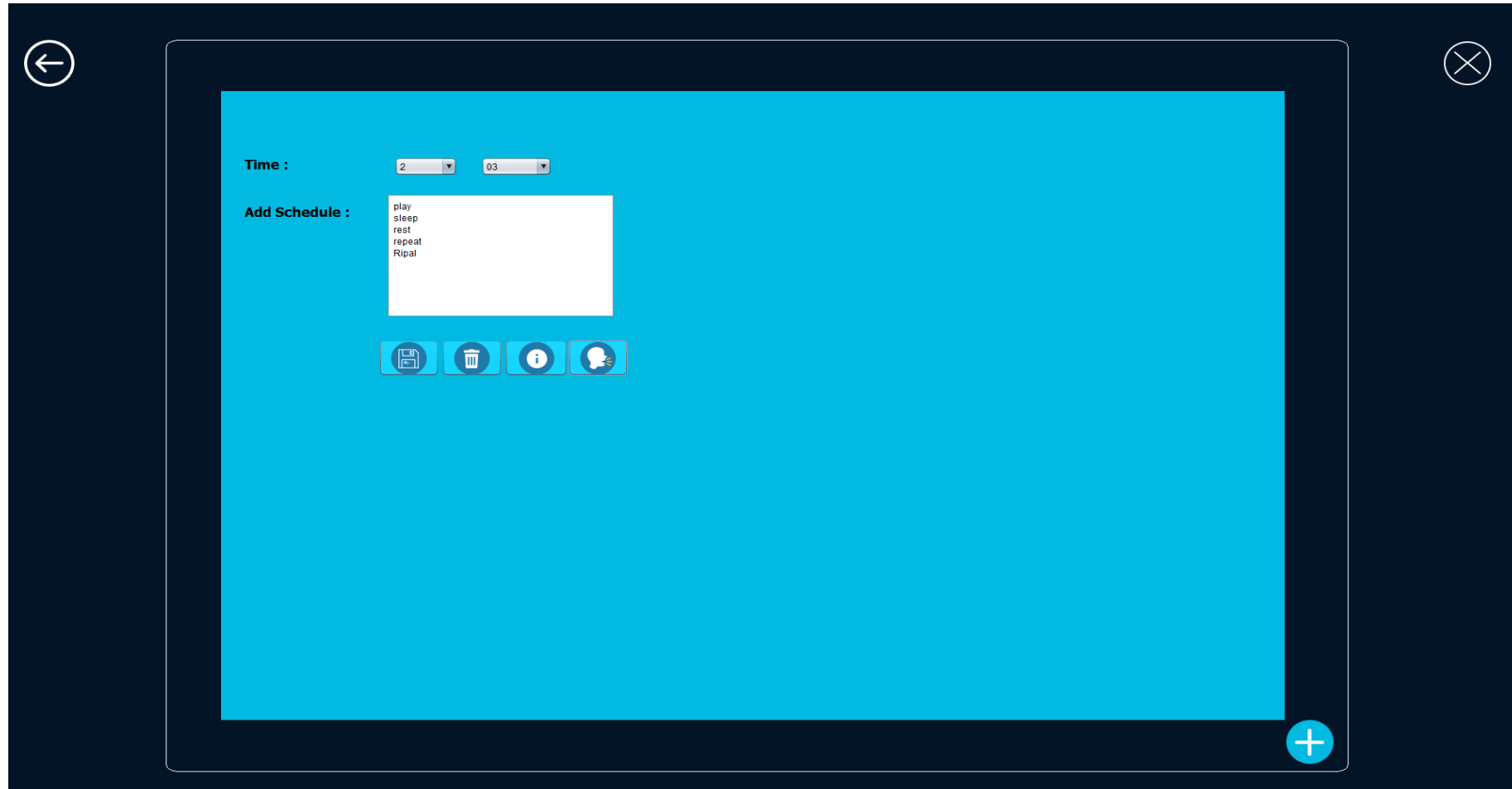
- Screen No. 6 – Schedule Edit Screen





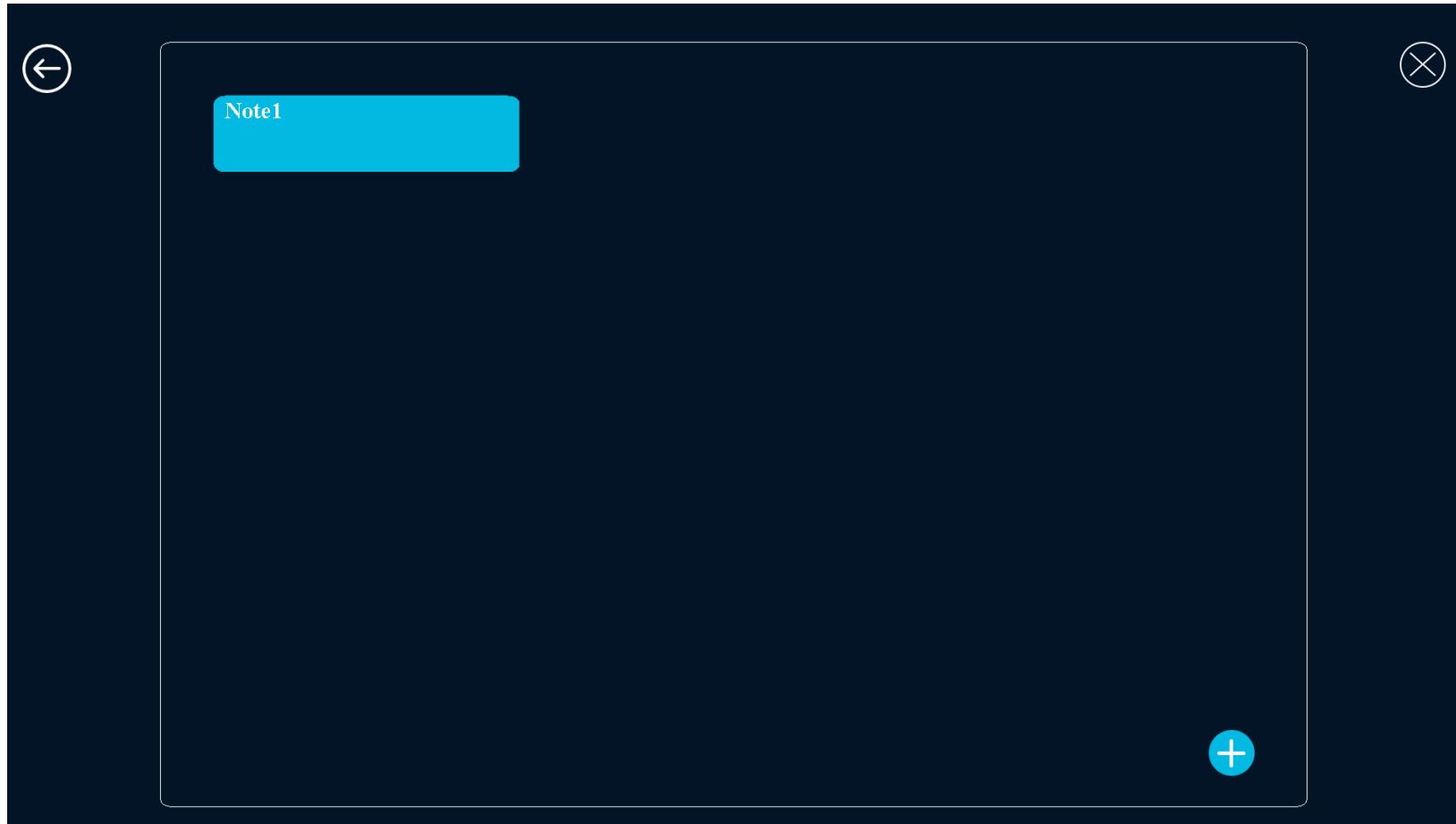
# GUI Screen Designs

- Screen No. 7 – New Schedule Screen



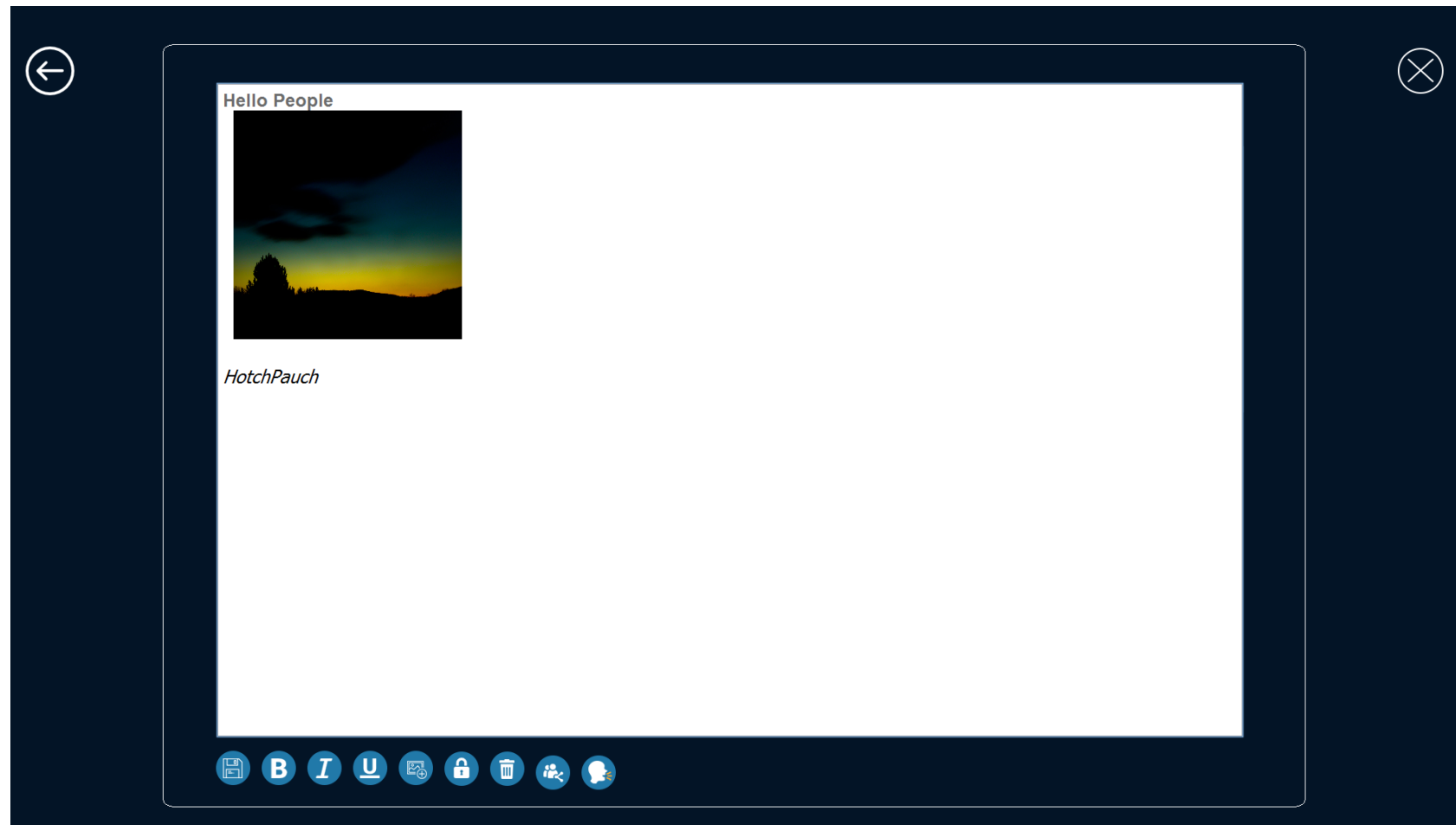
# GUI Screen Designs

- Screen No. 8 – View Notes Screen



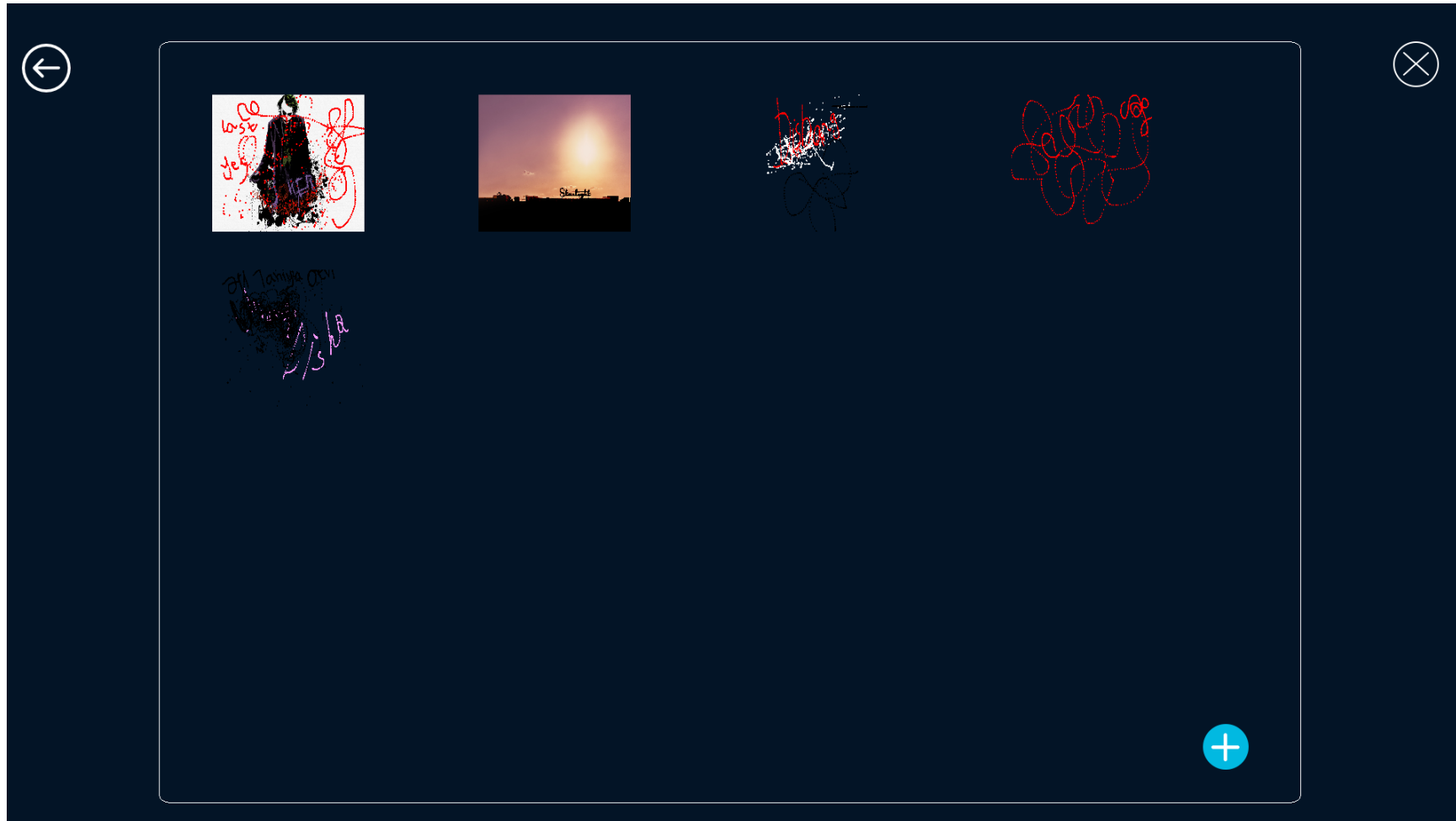
# GUI Screen Designs

- Screen No. 9 – Edit / Create Note Screen



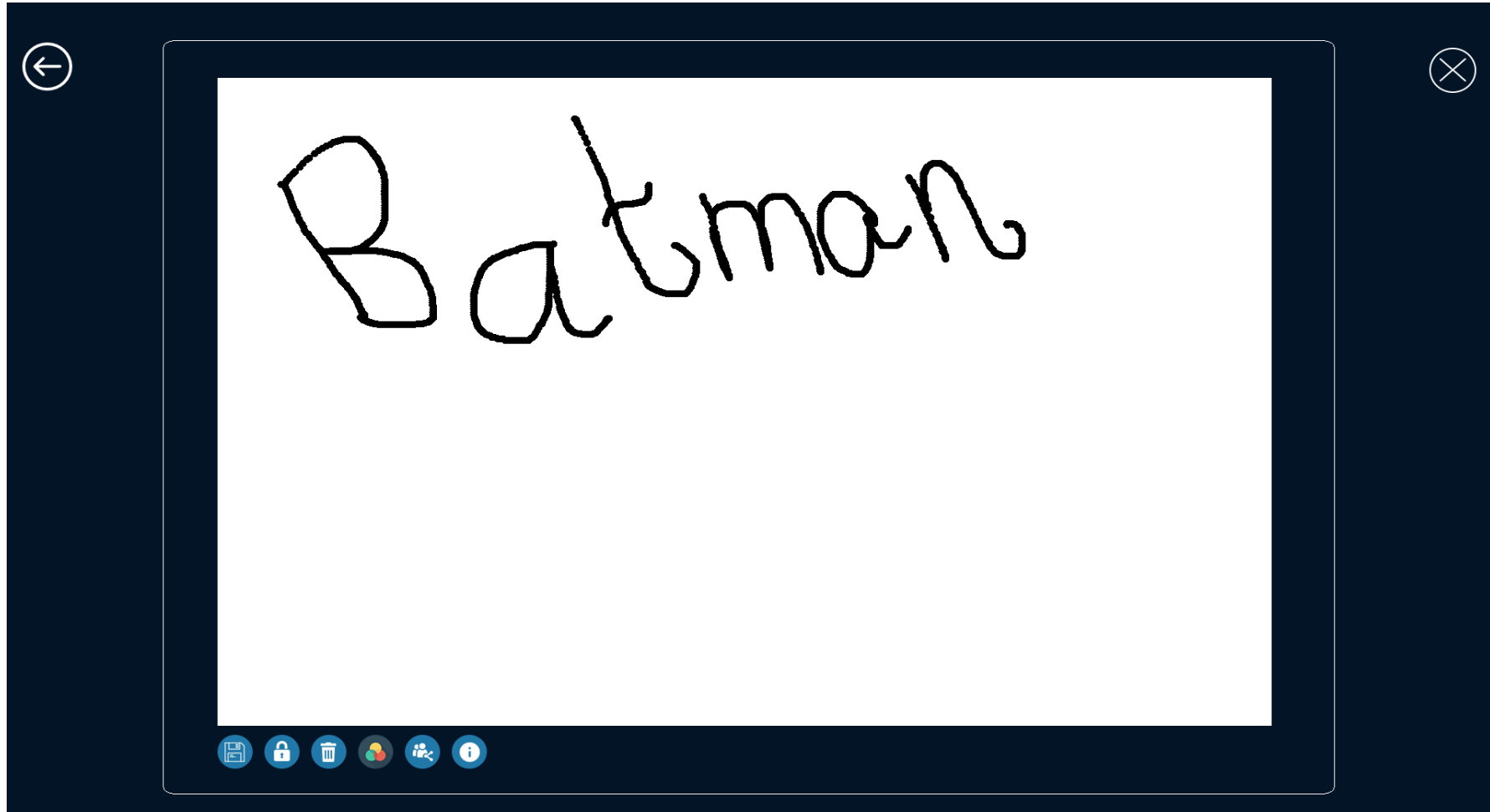
# GUI Screen Designs

- Screen No. 10 – View Doodles Screen



# GUI Screen Designs

- Screen No. 11 – Edit/Create Doodles Screen



# Tools and Technologies used to design and develop the Project

- Platform/OS: Windows
- IDE: Netbeans version 8.0.2/8.2
- Programming language: Java SE 8
- Front-end:
  - Swing/AWT
- Back-end: MySQL Server Database 8.
- Hardware Requirements: Internet Access

## The Unique feature!

- This note keeping application has its whole database online, therefore it does not occupy space on user's device.

# Thank You