< Swift> PROJECT REPORT

(Project Semester August-December 2023)

Hotel Booking System

Submitted by

(**Sahil Sharma**)

Registration No **12012071**

Programme and Section K20SK
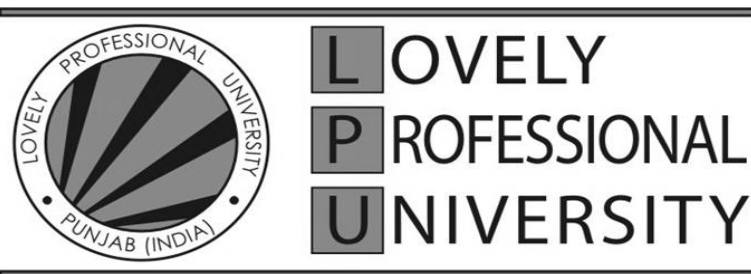
Course Code INT405

Under the Guidance of

Amarinder Kaur   with U.Id : 21482

Discipline of CSE/IT

Lovely School of Computer Science and Engineering

Lovely Professional University, Phagwara

CERTIFICATE

This is to certify that Sahil Sharma bearing Registration no. 12012071 has completed INT 234 project titled, **"Hotel Booking System"** under my guidance and supervision. To the best of my knowledge, the present work is the result of his/her original development, effort and study.

Signature and Name of the Supervisor

Amarinder Kaur

School of Computer Science and Engineering

Lovely Professional University

Phagwara, Punjab.

Date: 6-11-2023

DECLARATION

I, Sahil Sharma, student of Btech CSE under CSE/IT Discipline at, Lovely Professional University, Punjab, hereby declare that all the information furnished in this project report is based on my own intensive work and is genuine.

Date: 6-11-2023   Signature

Registration No. 12012071   Name   of   the   student

Sahil Sharma

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1.Introduction

Introducing the Hotel Booking System App

Streamline your hotel booking experience with the Hotel Booking System app, a comprehensive and user-friendly solution for securing your accommodations with ease. Developed using Swift and Xcode, this app seamlessly integrates various functionalities to cater to all aspects of your hotel booking needs.

Effortless Navigation and Intuitive Interface

The Hotel Booking System app greets you with a welcoming login page, ensuring secure access to your booking details. Upon successful login, you'll be guided through a series of intuitive screens, each carefully designed to simplify the booking process.

Comprehensive Person Details Management

Accurately manage your personal information with the dedicated person details page. Ensure your contact details and preferences are up-to-date to facilitate smooth communication and personalized service throughout your hotel stay.

Flexible Hotel City and Hotel Selection

Browse through a wide selection of hotels across various cities, catering to your travel preferences and budget. The app's user-friendly interface allows you to effortlessly search and filter hotels based on your specific requirements.

Convenient Payment Option Selection

Choose from a range of secure payment options to finalize your booking. The app integrates seamlessly with various payment gateways, ensuring a convenient and hassle-free checkout experience.

Visually Appealing Enhancements

Enrich your user experience with captivating image views, dynamic animations, and interactive sliders. These visual elements not only enhance the app's aesthetic appeal but also provide a more engaging and intuitive booking process.

Granular Room Selection with Switchability

Accommodate your travel group with ease by selecting from a variety of room types, including 1, 2, 3, and 4-person bedrooms. The app's clear price differentiation allows you to make informed decisions based on your budget and preferences.
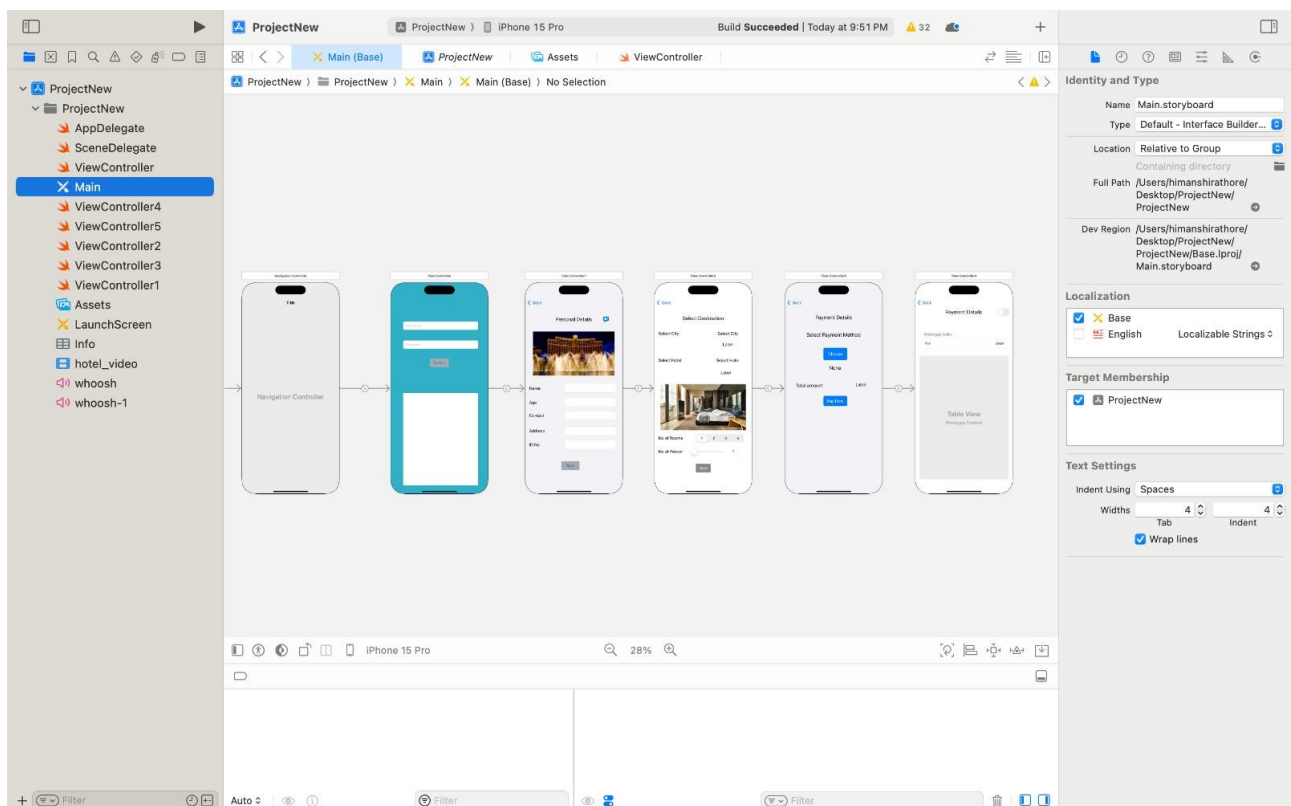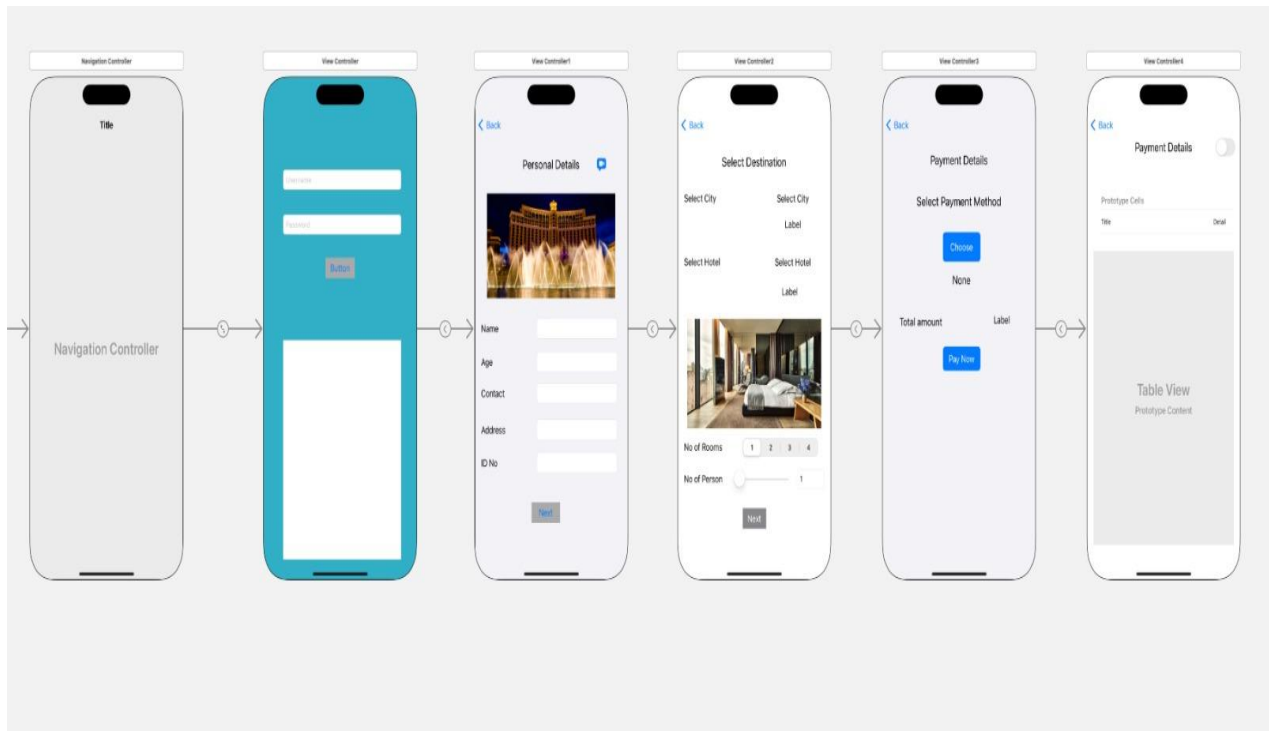
Action-Packed Alerts and Table View Navigation

Stay informed with timely action alerts that keep you updated on the status of your booking and any important notifications. The app's table view seamlessly displays your booking details, providing quick access to essential information.
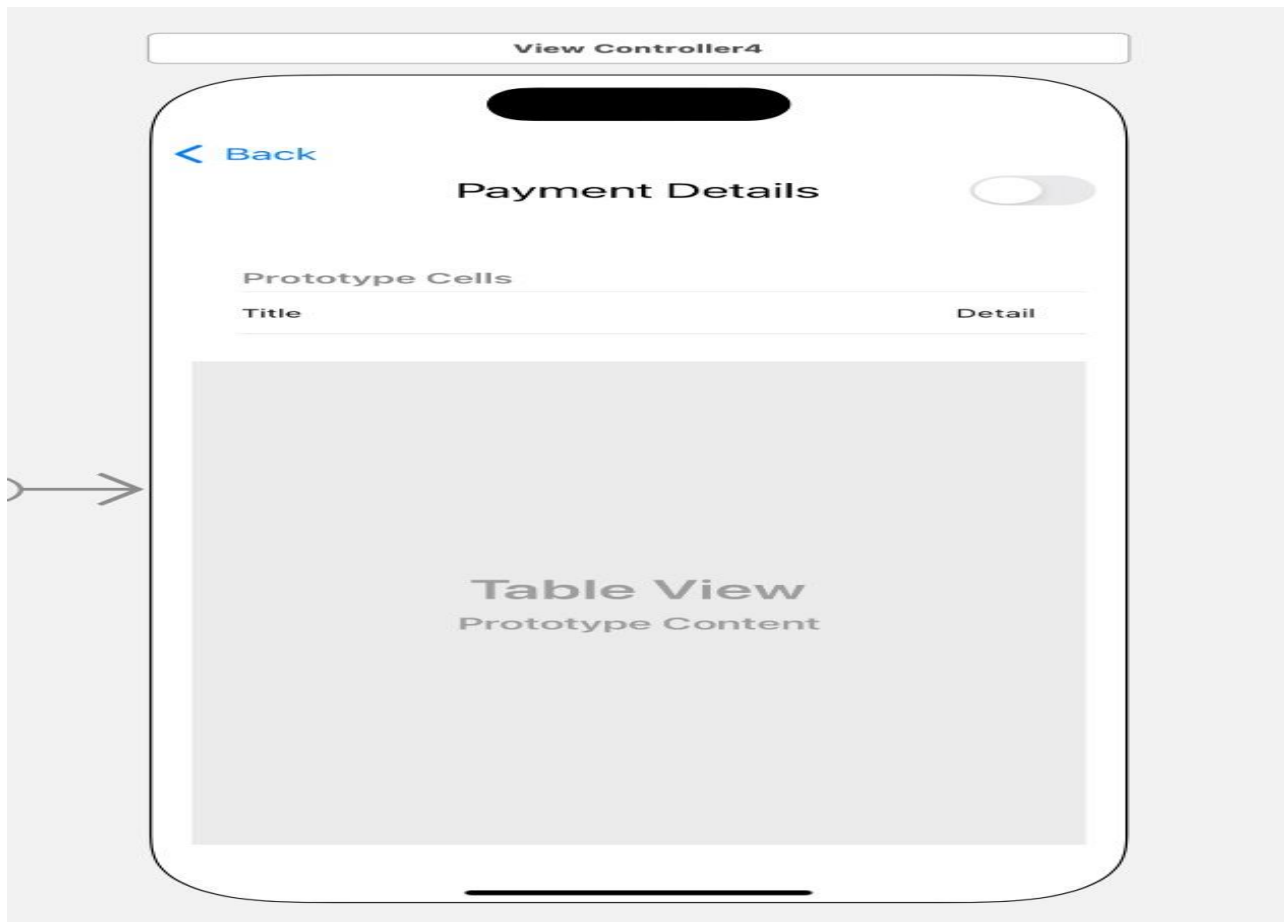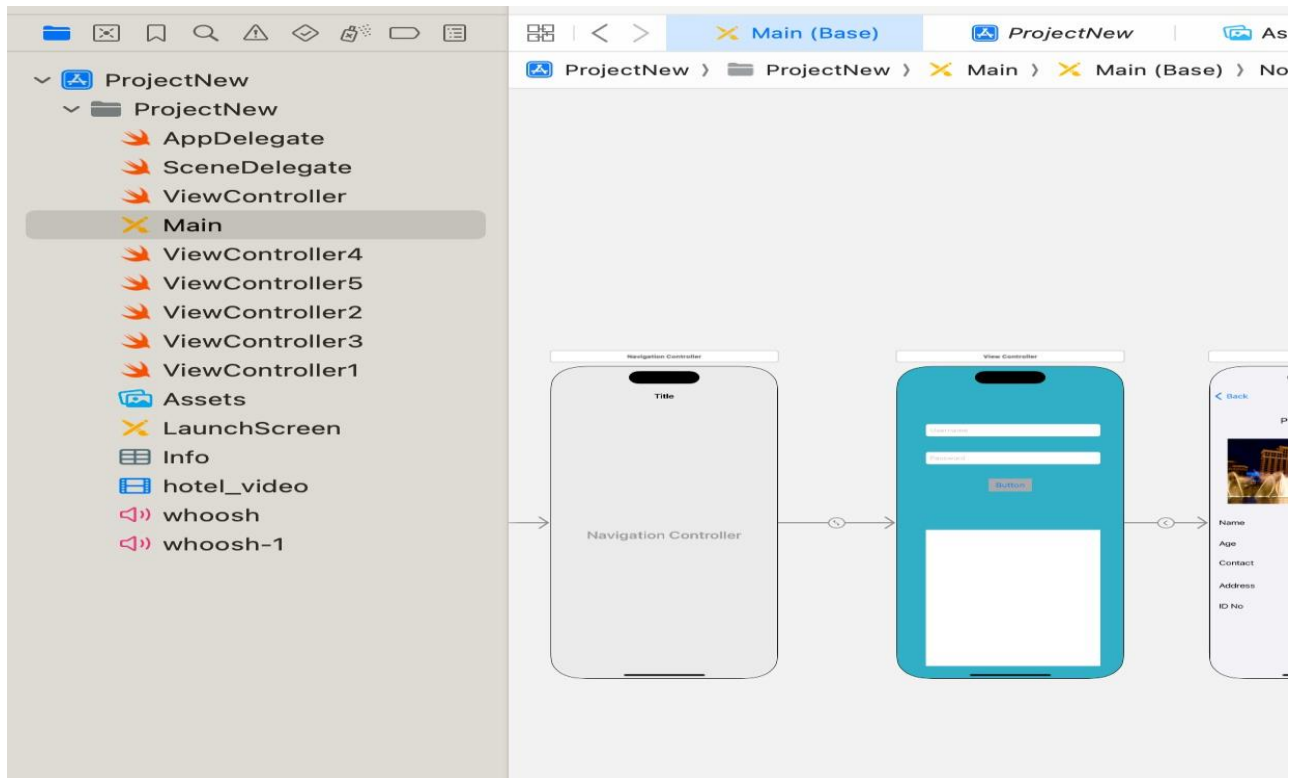
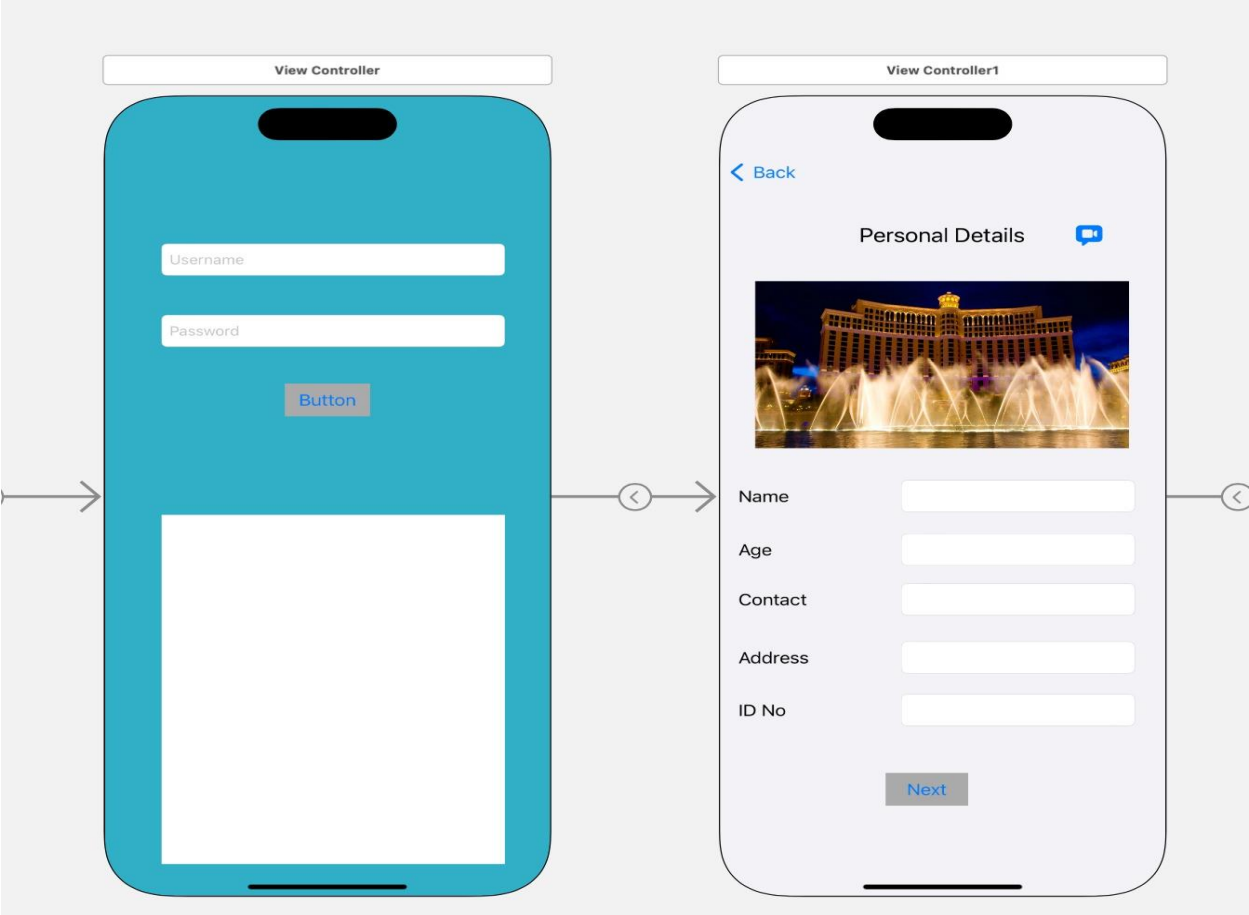**Embrace Simplicity and Efficiency**

The Hotel Booking System app empowers you to take control of your hotel booking experience, streamlining the process from initial search to secure payment. With its intuitive interface, comprehensive functionalities, and visually appealing enhancements, the app promises a seamless and enjoyable booking journey.

2.Screenshot

Navigation Controller

Title

Navigation Controller

View Controller

Button

< Back

Name
Age
Contact
Address
ID No

View Controller4

< Back

Payment Details

Prototype Cells

Title   Detail

Table View
Prototype Content

Title

Navigation Controller

Username

Password

Button

Username

Password

Button

< Back

Personal Details

Name

Age

Contact

Address

ID No

Next

< Back

Select Destination

Select City   Select City
                                Label

Select Hotel   Select Hotel
                                Label

No of Rooms | 1 | 2 | 3 | 4 |

No of Person   ●————————   1

Next

< Back

Payment Details

Select Payment Method

Choose

None

Total amount   Label

Pay Now

< Back

Payment Details

Prototype Cells

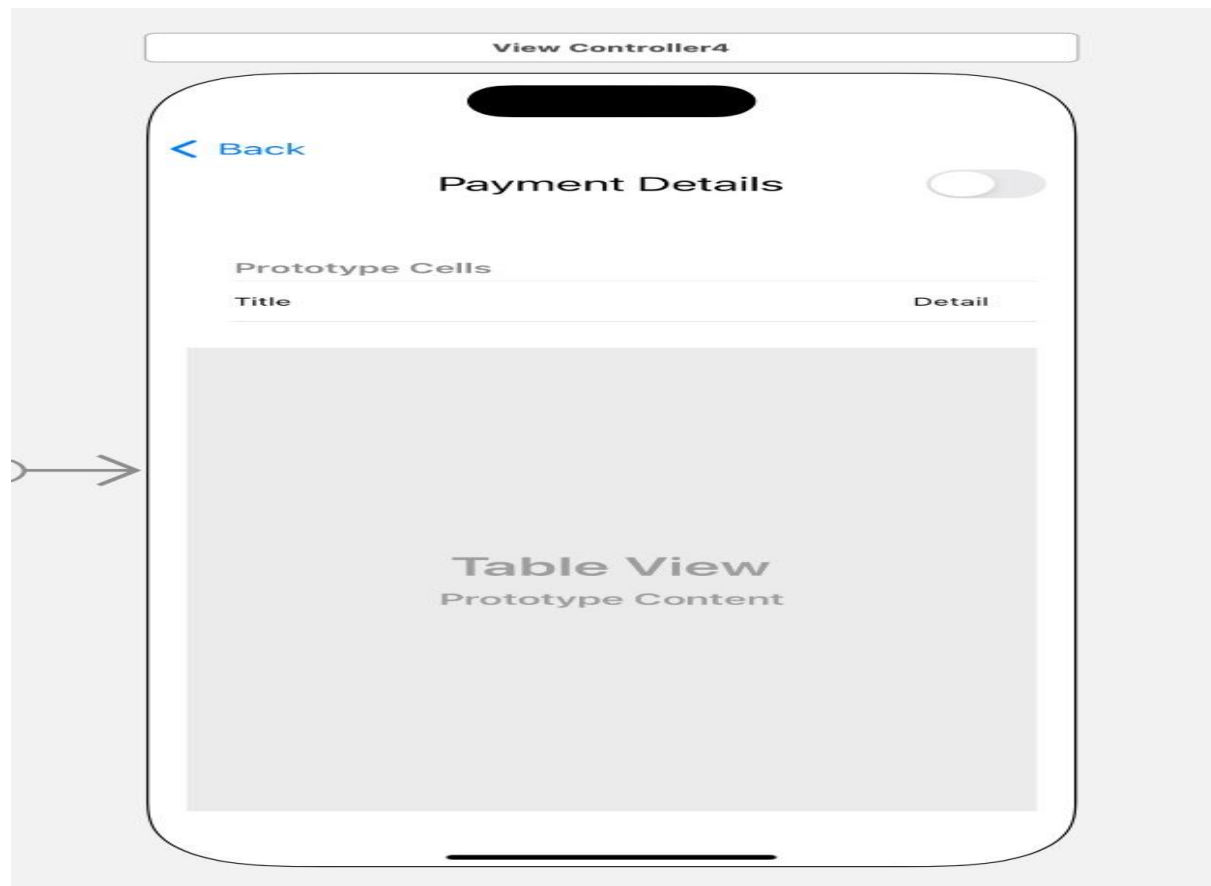Title   Detail
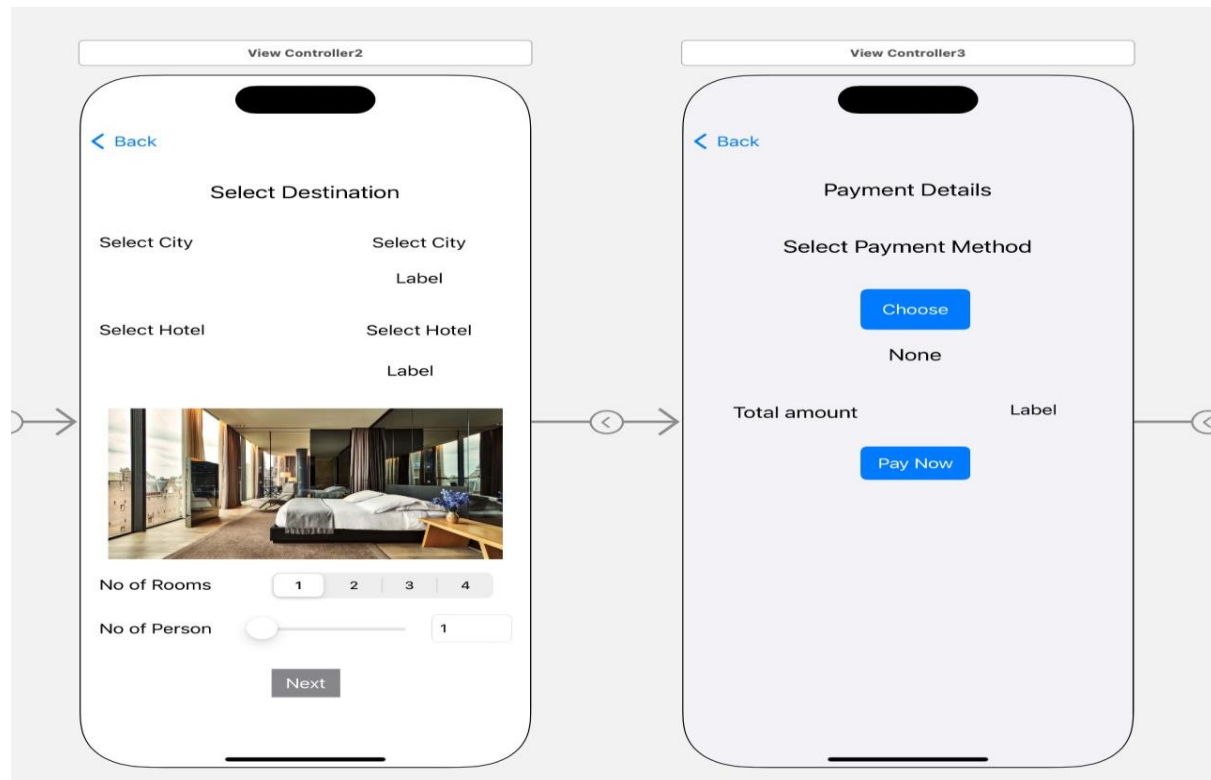
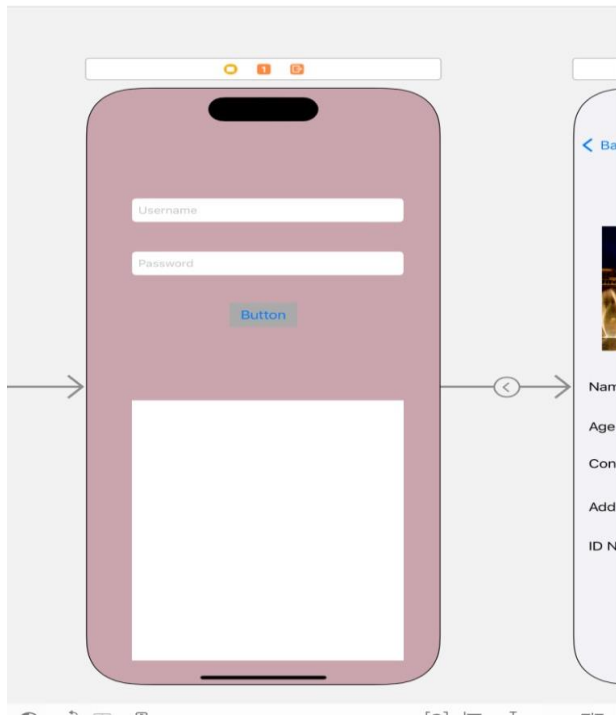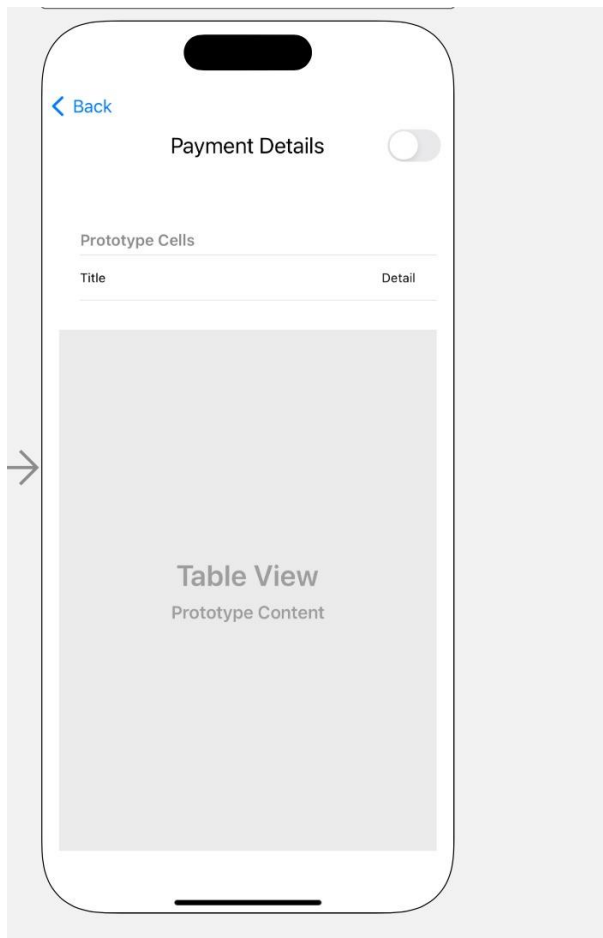## Table View
Prototype Content

```swift
8  import UIKit
9  import WebKit
10
11 class ViewController:
       UIViewController,UITextFieldDelegate {
12
13     override func viewDidLoad() {
14         super.viewDidLoad()
15         // Do any additional setup after
               loading the view.
16         var urlstring = URL(string:
           "https://google.com")
17         var urlReq = URLRequest(url:
               urlstring!)
18         webview.loadRequest(urlReq)
19
20     }
21
22     func textFieldShouldReturn(_ textField:
           UITextField) -> Bool {
23         textField.resignFirstResponder()
24         return true;
25     }
26
       @IBOutlet weak var password: UITextField!
       @IBOutlet weak var username: UITextField!
       @IBAction func loginbtn(_ sender: Any) {
30         let a = username.text!
31         let b = password.text!
32         if (a == "abc" && b == "123"){
33             performSegue(withIdentifier:
                   "s0", sender: self)
34         }else{
35             let action1 = {
36                 (a: UIAlertAction) -> Void in
37                 self.view.backgroundColor =
                       UIColor.red
```
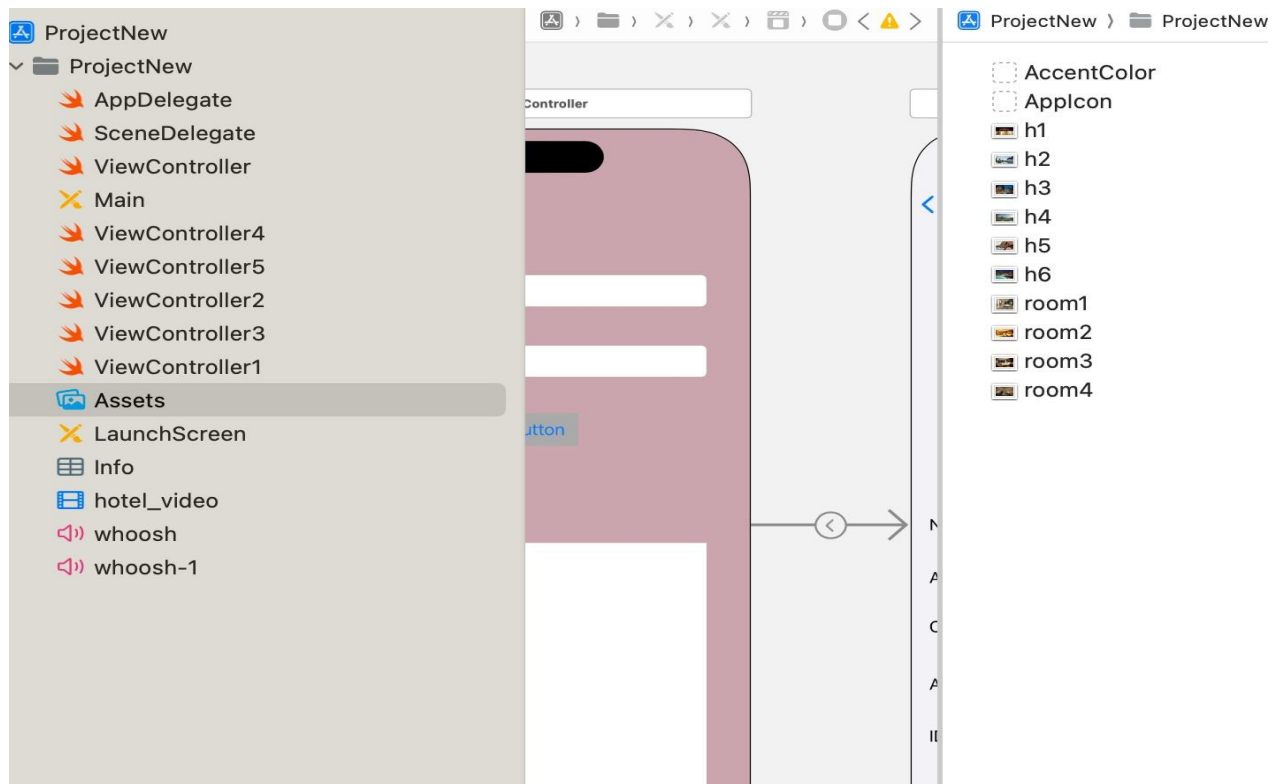


```swift
3  //   ProjectNew
4  //
5  //   Created by Himanshi Rathore on 03/11/23
6  //
7
8  import UIKit
9  import AVFoundation
10 import AVKit
11
12 var name3 = String()
13 var age3 = String()
14 var no3 = String()
15 var add3 = String()
16 var id3 = String()
17 var cityname3 = String()
18 var hotelname3 = String()
19 var noofrooms3 = String()
20 var noofperson3 = String()
21
22 var roomprice3 = String()
23
24
25 class Property {
26     var key:String;
27     var value:String;
28     init(key: String, value: String) {
29         self.key = key
30         self.value = value
31     }
32 }
33
34 class ViewController4:
       UIViewController,UITableViewDelegate
```

ProjectNew
ProjectNew
AppDelegate
SceneDelegate
ViewController
Main
ViewController4
ViewController5
ViewController2
ViewController3
ViewController1
Assets
LaunchScreen
Info
hotel_video
whoosh
whoosh-1

Controller

utton

ProjectNew › ProjectNew
AccentColor
AppIcon
h1
h2
h3
h4
h5
h6
room1
room2
room3
room4

Screenshots after Running the App

Username

Password

Button

≡   **ALL**   IMAGES   ⠿   Sign in

Google

🔍   🎤   📷

Google offered in:

हिन्दी   বাংলা   తెలుగు   मराठी   தமிழ்
ગુજરાતી   ಕನ್ನಡ   മലയാളം   ਪੰਜਾਬੀ

< Back

Personal Details

Name	aman
Age	20
Contact	123456789
Address	asdfghjk
ID No	67

Next

Select Destination

Select City | **Select City** |

Phagwara

Select Hotel | **Select Hotel** |

Victoria Residency

No of Rooms   1   2   **3**   4

No of Person   ———●——————   [2]
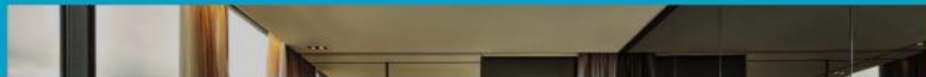
[Next]

< Back

Select Destination

Select City

Select City

Label

Select Hotel

Select Hotel

Label

Cities
Select city for hotels

Phagwara

Chandigarh

Amritsar

Jalandhar

Cancel

< Back

Payment Details

Select Payment Method

Choose

None

Total amount   4590.0

Pay Now

Payment Method
Choose your preferred payment method

Paytm

Google Pay

UPI

Payment Details

Select Payment Method

Choose

Google Pay

Total amount   4590.0

Pay Now

Payment Details

User Details

Name	aman
Age	20
Contact	123456789
Address	asdfghjk
ID No.	67

Hotel Details

Hotel Name	Phagwara
Hotel Location	Victoria Residency
No of Rooms	3
No of Person	2
Total Amount	4590.0

3.Features covered

User Authentication

- Secure login page for user access : Safeguards user information with secure login credentials, ensuring unauthorized access is prevented.

- Account management for personal information updates : Provides a centralized platform for users to manage their personal details, preferences, and past bookings.

Hotel Search and Selection

- Filter hotels based on city, amenities : Enables users to narrow down hotel options based on specific criteria, such as city, amenities, price range, and star ratings.

- View detailed hotel descriptions and images : Enhances the user experience by showcasing high-quality images of hotels, rooms, and surrounding attractions.

- Browse through various room types : Presents users with a variety of room types, including single, double, triple, and family rooms, along with their respective pricing.

Booking Management

- Choose the number of guests and preferred room type : Enables users to indicate the number of guests and their preferred room type, facilitating accurate booking allocations.

User Interface Enhancements

- Captivating image views for visual appeal

- Dynamic animations for an engaging user experience : Enlivens the user experience with eye-catching animations that guide users through the booking process and provide visual feedback.

- Interactive sliders for intuitive room selection

Informative Alerts and Navigation

- action alerts for booking notifications

- Table view for easy access to booking details :   Provides a clear and organized presentation of booking details, including hotel information, reservation dates, room type, and payment status.

Additional Features

- Support for multiple payment options : Accommodates users' preferred payment methods, offering flexibility and convenience during checkout.

- Ability to modify

4.Reference

1. Apple Developer Documentation: Swift Programming Language

   https://developer.apple.com/swift/

2. Apple Developer Documentation: Xcode

   https://developer.apple.com/xcode/resources/

3. Hotel Booking System App User Interface Design Document

4. Hotel Booking System App Development Specifications ideas