**Exam 02**

**Points - 50**

**Please follow the following instructions to complete this assignment.**

1. Open Xcode from the launchpad of your Mac.
2. Create a new Xcode project. Select the iOS template and click on the App application. Provide product name as **Lastname\_****TicketCheckoutApp**, “**nwmsu**” for organization identifier, “**storyboard**” as interface and swift as language.
3. Click on next and select an appropriate location to save your app and click on create. A project directory will be loaded.
4. Choose Project Format to “Xcode 13.0-compatible” in your Project Document settings and Deployment Info settings to “iOS 15.5”
5. From the project navigator click on “Main” file, a blank mobile screen will be loaded where the required fields for an app need to be added.
6. Rename the ViewController file to **AvalabilityCheckViewController.**
7. Embed the **AvalabilityCheckViewController** into a navigation controller.
8. For the data, please download the **Ticket.swift** file from the Canvas assignment page and create a new Swift file with above name and copy paste all the provided data into created Swift file.
9. Download zip file of images provide in Canvas and paste them in Assets folder in XCode.
10. Insert a label at the top which shows app name as **Ticket Checkout App** choose your own styling to design the app name.
11. Insert two text fields one text field takes **name** and other text field takes **bookingID** as input and give connection names accordingly.
12. Add a button and change the name of button to *Availability Check*. Give the connection name accordingly for the button.
13. Create a label to hold the status of booking Id found.
14. Add an image view in the **AvalabilityCheckViewController** and name it of our choice while giving connection. Initially image view consists of default image when app is executed. Assign it accordingly in viewDidLoad method.
15. Add a new button below of image view and change the button text to **Checkout Ticket**. Disable the button initially.
16. Refer Figure 1 for design of **AvalabilityCheckViewController.**

Graphical user interface, application

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**Figure 1**

1. After entering the name and bookingID details in the text fields, when you click on ***Availability Check*** button, if the entered Booking ID is found in the array, update the status label, image, with respective bookingID data and enable Checkout Ticket button as shown in Figure 2. Refer **StudentApp** for accessing data using structs.

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**Figure 2**

1. If the entered Booking ID is not found in the array, then update the status label to **“Booking ID Not Found!”** and set the image view to default image and disable the Checkout Ticket button as shown in Figure 3.

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**Figure 3**

1. Create a new ViewController using Cocoa Touch Class and name it as**CheckoutTicketViewController.**
2. In the main storyboard change the class name of the new ViewController to **CheckoutTicketViewController.**
3. Create a segue from the **Checkout Ticket** button from **AvalabilityCheckViewController** to the **CheckoutTicketViewController** and name the segue identifier as **checkoutSegue**.
4. In the CheckoutTicketViewController, add a label to print the success text with name entered in the AvalabilityCheckViewController and add another label to hold the name of the airline and add an image view to hold the image of the airline. Give appropriate connection names in **CheckoutTicketViewController.**
5. Refer **studentApp** for accessing and sending the data using structs.
6. Use prepare method in **AvalabilityCheckViewController** to send the data to **CheckoutTicketViewController.**
7. Refer Figure 4 for **CheckoutTicketViewController** output.

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**Figure 4**

1. When you click on back in the **CheckoutTicketViewController** all the information in the **AvalabilityCheckViewController** should reset. Hint: Clear contents in the prepare function after assigning the details to destination.

**Please submit your app as compressed file, your compressed files should contain Lastname\_ TicketCheckoutApp folder and Lastname\_ TicketCheckoutApp.xcodeproj file. Please check your submission by downloading the submitted file and rechecking in Xcode.**