

Advance Web Programming

Assignment #3

FALL 2025

Marks: 10

Due Date: 23 December 2025, 11:59 PM

Assignment Title

MyCampus Guide – Student Services Mobile App

Assignment Objective

The objective of this assignment is to assess your understanding of:

- Creating a project using **Expo**
- React Native **core components**
- **Expo Router – Stack Navigation**
- Passing parameters between screens
- Displaying data using **FlatList**

Scenario

You are required to develop a simple mobile application that helps students view campus services using React Native and Expo.

Assignment Tasks

1 Project Creation using Expo

- Create the project using **Expo**
- Project name must be your **registration number**
(Example: SP24-BSSE-123)
- Run the project using **Expo Go**
- Take a screenshot of the running app

2 Required Screens (4 Screens)

Use **Expo Router Stack Navigation** and create the following four screens:

1. WelcomeScreen
2. ServicesScreen
3. ServiceDetailScreen
4. ProfileScreen

3 WelcomeScreen

Use the following core components:

- View
- Text
- Image
- Pressable or Button

Display the following information:

- Student Name
- Registration Number
- Degree Program

Add a button titled “**View Campus Services**” that navigates to the ServicesScreen.

ServicesScreen

Display a list of **at least 5 campus services** using FlatList.

The services must be selected according to the **last digit of your registration number**:

If the last digit is EVEN:

- IT Helpdesk
- Digital Library
- LMS Support
- Network Services
- Lab Management

If the last digit is ODD:

- Cafeteria
- Sports Complex
- Student Affairs
- Transport Office
- Hostel Management

Each item in the list must include:

- Service name
- Short description
- Emoji or icon

On selecting a service, navigate to ServiceDetailScreen and pass the selected service data as parameters.

5 ServiceDetailScreen

Display the following details using the received parameters:

- Service name
- Full description
- Service category
- Availability status (Open / Closed)

6 ProfileScreen

Display:

- Student name
- Registration number
- Current semester
- Favorite service

(Service selected from the ServicesScreen)



Submission Instructions

Submit your assignment on the **Odoo Portal** by the given deadline.

You must upload:

- A **ZIP file** containing the complete **App folder**
- Screenshots of the following screens:
 - WelcomeScreen
 - ServicesScreen
 - ServiceDetailScreen
 - ProfileScreen

ZIP File Naming Rule:

- The ZIP file **must be named using your registration number**
(Example: SP24-BSSE-123.zip)
-  Submissions that do not follow the file naming or submission instructions may be penalized.

⚠ Important Notes

- Each screen must be designed by the student
- Hard-coded demo data should be avoided where parameters are required
- Incomplete or copied submissions will be penalized

Good Luck!