

PRACTICAL: 2

AIM:

To create low-fidelity wireframes and design a complete UI screen navigation flow for the selected mobile application.

1. INTRODUCTION:

Wireframes act as the blueprint of a mobile application. They help in defining the overall structure of the application, screen layout, component placement, and user interaction flow without focusing on final colors or visual styling.

A UI flow diagram visually represents how users navigate between different screens of the application, ensuring smooth, logical, and user-friendly navigation.

In this practical, low-fidelity wireframes for the “LeaveWise – Smart Attendance & Leave Planning App for Students” are designed using Figma. A complete UI navigation flow is also created to represent the movement of users across screens. These designs will be useful for future labs involving UI development, CRUD operations, and navigation implementation.

2. PRACTICAL OBJECTIVES:

By the end of this practical, the following objectives are achieved:

- To create low-fidelity wireframes for essential app screens
- To understand layout organization and content hierarchy
- To visualize user navigation patterns across the application
- To design a complete UI flow diagram
- To prepare visual documentation for future development
- To improve usability through clear and simple screen structure

3. WHAT TO DO/ HOW TO DO:

Step 1: Identify Required Screens:

Based on project requirements and use cases, the following screens are identified for the LeaveWise application:

1. Splash Screen
2. Login Screen
3. Semester Setup Screen
4. Timetable Upload / Planner Screen
5. Attendance Planning Screen (Planned Attendance – CRUD)
6. Actual Attendance Marking Screen (Actual Attendance – CRUD)
7. Dashboard / Attendance Summary Screen
8. Notifications Screen
9. Profile / Settings Screen

Step 2: Create Low-Fidelity Wireframes:

Low-fidelity wireframes are created using **Figma**. Only simple shapes, boxes, and labels are used without colors or styling.

Each wireframe includes:

- Buttons
- Text fields / inputs
- Header / AppBar
- Placeholder icons
- Cards and lists
- Navigation buttons
- Message and warning placeholders

Screen-Wise Wireframe Description & Design~

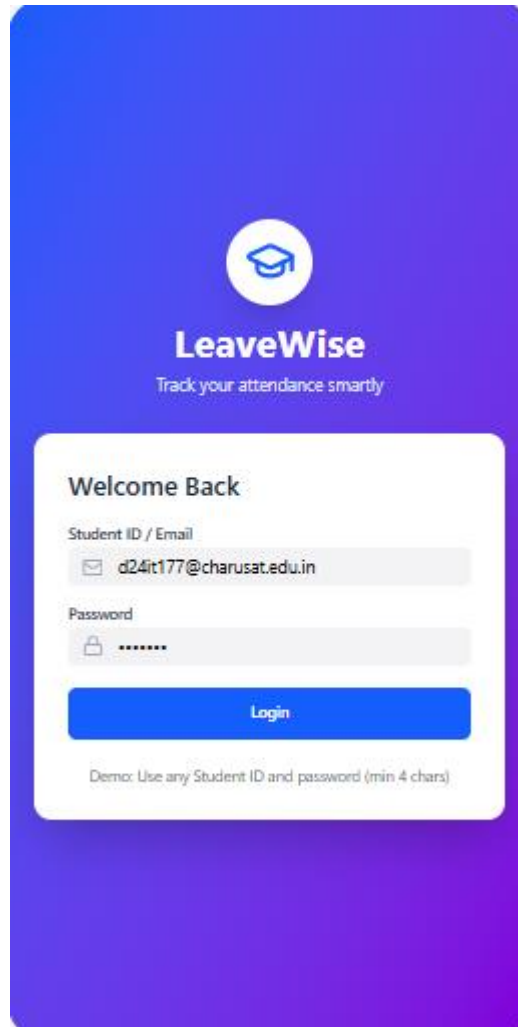
1. Splash Screen:

- App name placeholder
- Logo placeholder
- Loading indicator



2. Login Screen:

- Input field: Student ID / Email
- Input field: Password
- Login button
- Error message placeholder



The image shows a mobile app login screen for 'LeaveWise'. The background is a blue-to-purple gradient. At the top center is a white circular icon with a blue graduation cap. Below it, the text 'LeaveWise' is displayed in white, followed by the tagline 'Track your attendance smartly' in a smaller white font. A white rounded rectangle contains the login form. Inside this rectangle, the text 'Welcome Back' is at the top. Below it, the label 'Student ID / Email' is followed by an input field containing the email 'd24it177@charusat.edu.in'. Below that, the label 'Password' is followed by an input field with masked characters '*****'. A blue 'Login' button is positioned below the password field. At the bottom of the white rectangle, a small note reads: 'Demo: Use any Student ID and password (min 4 chars)'.

3. Semester Setup Screen:

- Semester start date input
- Semester end date input
- Minimum attendance percentage input
- Save & Continue button

Semester Setup
Configure your semester details and attendance requirements

Semester Start Date
mm/dd/yyyy

Semester End Date
mm/dd/yyyy

% Minimum Attendance Percentage
75 %
You'll be notified when attendance falls below this threshold

Note: These settings can be updated later from your profile settings.

Save & Continue →

Semester Start Date
12/16/2025

Semester End Date
mm/dd/yyyy

January 2026 ↑ ↓
Su Mo Tu We Th Fr Sa
28 29 30 31 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 31
1 2 3 4 5 6 7
Clear Today

%
falls below this threshold
ated later from your
e →

4. Timetable Planner Screen:

- Timetable upload placeholder
- Weekly timetable grid (days and lecture slots)
- Proceed button

Timetable Setup

Add your weekly lecture schedule with custom time slots

Add Lecture Slot

Day

Monday

Time Slot


09:10 AM

Or type: 9:00 AM, 2:30 PM, etc.

Subject Name

Cloud Computing

+ Add Lecture Slot



No lectures added yet. Start by adding your first lecture slot above.

5. Attendance Planning Screen (Planned Attendance – CRUD):

- Subject selection dropdown
- Editable lecture time slots
- Options: Present, Absent, Seminar, Workshop, Exam, Not Taken
- Save Planned Attendance button
- Warning message placeholder

The screenshot displays the 'Attendance Planning Screen' for 'Planned Attendance'. At the top, a blue header bar contains the text 'Set your intended attendance for lectures'. Below this, a light blue banner states: 'Intend to attend: Later, you'll mark what actually happened in "Mark Actual Attendance".'.

The main content area is divided into sections. The first section is titled 'Filters' and contains two dropdown menus: 'Subject' (currently set to 'All Subjects') and 'Day' (currently set to 'All Days').

The second section is titled 'Monday' and lists two lectures. The first lecture is 'Cloud Computing' at '09:10', with a green 'Plan to Attend' button. The second lecture is 'Language Processor' at '10:10', also with a green 'Plan to Attend' button.

The third section is titled 'Planning Status Legend' and displays six colored buttons representing different attendance statuses: 'Not Planned' (grey), 'Plan to Attend' (green), 'Plan to Skip' (red), 'Seminar' (blue), 'Workshop' (purple), and 'Exam' (yellow).

6. Actual Attendance Marking Screen:

- Subject dropdown
- List of lecture slots
- Options: Attended / Not Attended
- Save Actual Attendance button
- Planned vs Actual mismatch message

Marking Mode: Record what actually happened. We'll compare this with your planned attendance and show you any deviations.

Filters

Subject: All Subjects ▼ Day: All Days ▼

Monday

Cloud Computing
09:10
Planned: Present Actual: Present
Mark Actual Status
Present ▼

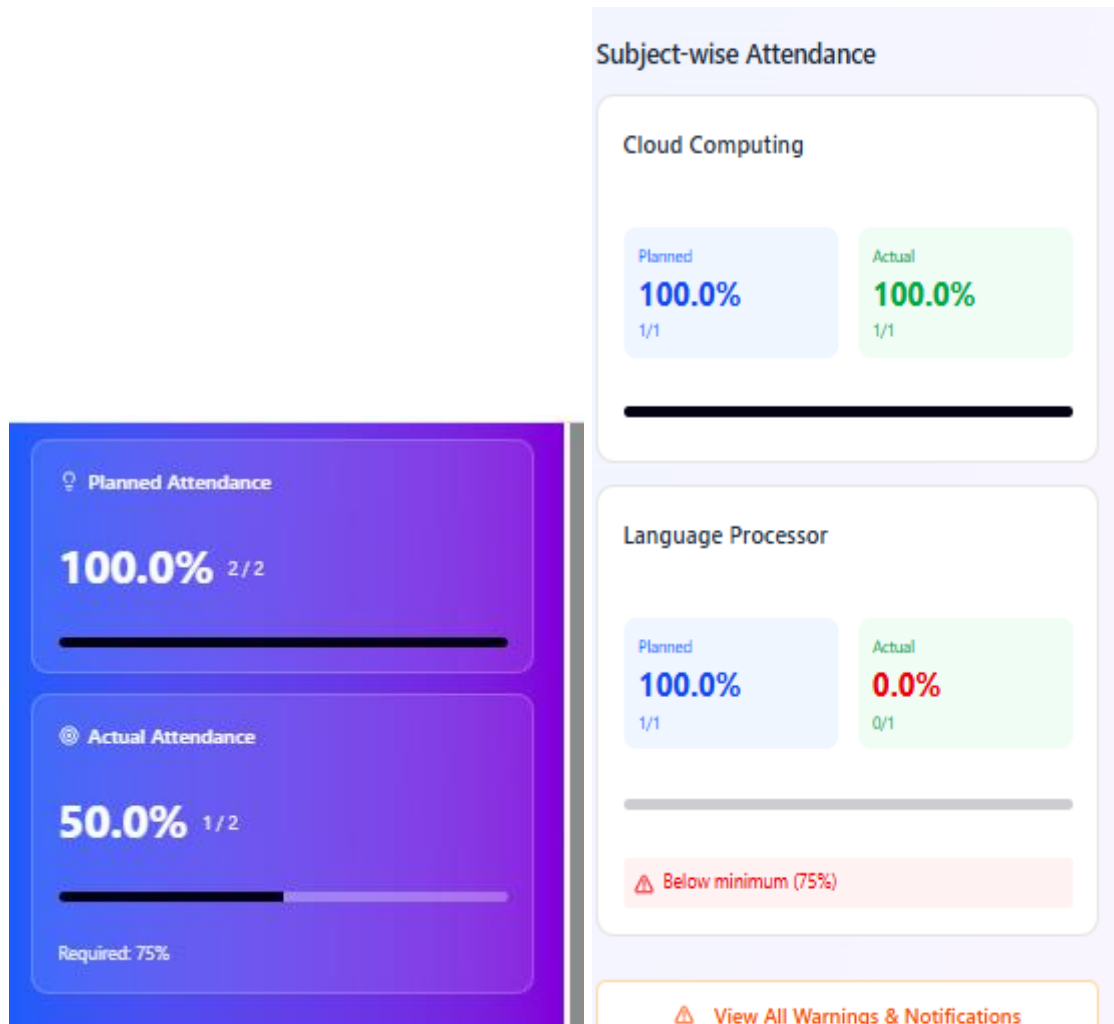
Language Processor
10:10
Planned: Present Actual: Absent
Mark Actual Status
Absent ▼

Deviation Alert: Your actual attendance differs from your plan!

Actual Status Options

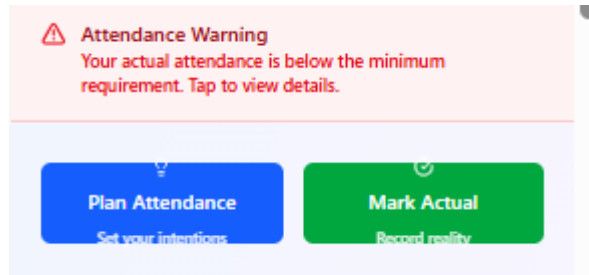
7. Dashboard / Attendance Summary Screen:

- Subject-wise attendance percentage cards
- Overall attendance percentage
- Buttons: Plan Attendance, Mark Actual Attendance, Notifications



8. Notifications Screen:

- List of warning messages
- Low attendance alerts
- Plan vs actual attendance alerts



9. Profile / Settings Screen:

- Student details placeholders
- Edit timetable / time slots option
- Logout button

The image displays a mobile application interface for a student's profile and settings. The top section features a purple circular profile icon with a white person silhouette. Below it, the text 'Student Name' is followed by the email address 'd24it177@charusat.edu.in'. Underneath, there are two rows of information: 'Student ID' and 'Email Address', both followed by the same email address. The bottom section is titled 'Semester Configuration' with an 'Edit' button. It contains two rows: 'Semester Duration' with the dates 'December 16, 2025 — April 7, 2026' and 'Minimum Attendance Required' with the percentage '75%'. A second, smaller version of the 'Semester Configuration' card is shown below, along with an 'About LeaveWise' section. The 'About LeaveWise' section includes a description of the app, its version (1.0.0), and a note stating that data is stored locally in the browser and will be removed if the browser data is cleared. A 'Logout' button with an external link icon is located at the bottom right of the page.

Student Name
d24it177@charusat.edu.in

Student ID
d24it177@charusat.edu.in

Email Address
d24it177@charusat.edu.in

Semester Configuration [Edit](#)

Semester Duration
December 16, 2025 — April 7, 2026

Minimum Attendance Required
75%

Semester Configuration [Edit](#)

Semester Duration
December 16, 2025 — April 7, 2026

Minimum Attendance Required
75%

About LeaveWise

LeaveWise helps you plan and track your semester attendance efficiently. Mark your attendance for each lecture and get real-time insights about your attendance percentage.

Version 1.0.0
Smart Attendance & Leave Planning App

Note: Your data is currently stored locally in your browser. Clearing browser data will remove all your attendance records.

[Logout](#)

Step 3: Arrange Screens in Sequence:

The wireframes are arranged in the following sequence to represent the user journey:

Splash → Login → Semester Setup → Timetable Upload → Dashboard → Attendance Planning / Actual Attendance → Notifications → Profile → Exit

This sequence helps in building a clear UI navigation flow.

Step 4: Create the UI Flow Diagram:

A UI flow diagram is created using directional arrows to represent navigation between screens.

Major Navigation Flows:

- Login Screen → Dashboard
- Dashboard → Attendance Planning
- Dashboard → Actual Attendance Marking

CRUD Flow:

- Attendance List → Add / Edit Attendance → Save → Back to Dashboard

Optional Flow:

- Dashboard → Notifications
- Dashboard → Profile / Settings

Transitions are labeled clearly such as:

- “On Click: Login Button”
- “Save Planned Attendance”
- “Save Actual Attendance”
- “Low Attendance Warning Trigger”

4. EXPECTED OUTCOME:

After completing this lab, the following outcomes are achieved:

- A complete set of low-fidelity wireframes for the LeaveWise application
- A clear and structured UI navigation flow diagram
- Well-defined interaction between screens
- A strong visual reference for implementing UI components in future labs
- Better understanding of UX planning and screen layout principles

5. CONCLUSION:

Low-fidelity wireframes and a complete UI navigation flow were successfully designed for the *LeaveWise – Smart Attendance & Leave Planning App for Students*. The wireframes helped in clearly defining the structure, layout, and placement of UI components without focusing on visual styling. The

UI flow diagram provided a clear understanding of how users navigate between different screens, including planned attendance, actual attendance, notifications, and settings. This practical improved understanding of UX planning, screen organization, and navigation logic, and will serve as a strong foundation for implementing UI components and functionality in future development labs.