IT2010 – Mobile Application Development
BSc (Hons) in Information Technology
2nd Year
Faculty of Computing
SLIT

2025 – Lab Exam 03
Report

Student ID	IT 23 5883 21
Batch	02.02
Marking Guide	
1. **Functionality**: How well the core and bonus features are implemented	3
2. **Creativity & User Interface Design**: Clean and intuitive UI/UX design	2
3. **Code-Quality & Organization:** Code is well-organized & documented	2
4. **Advanced Features & Data Persistence:** Usage of SharedPref's with one of the advanced features	3
Total Marks	**10**
Evaluator	Mr. Charith Dabare

Link - MAD Lab3

Description:
Vivena is a simple and intuitive wellness tracking app designed to help users build healthier daily habits, understand their moods, and stay hydrated — all in one place. With Vivena, you can easily track your daily wellness goals, monitor emotional trends, and receive personalized hydration reminders to maintain balance throughout your day.

Key Features

- **Daily Habit Tracker**
  Create, edit, and track daily wellness habits such as drinking water, exercising, or meditating. View your progress and completion rate with a simple, clear visual indicator.

- **Mood Journal with Emoji Selector**
  Log your mood using expressive emoji icons and short notes. Browse past entries in a list or calendar view to reflect on emotional patterns and personal growth over time.

- **Hydration Reminder**
  Stay hydrated with customizable notifications. Choose your preferred reminder interval and let Vivena gently remind you to drink water at the right times.

- **Overview Dashboard**
  Get a quick summary of your day — see your completed habits, current mood, and even a weekly mood trend visualized with a smooth line chart.

- **Smart Notifications & Settings**
  Manage your preferences easily through the settings page. Adjust notification intervals, enable or disable reminders, and personalize your wellness experience.
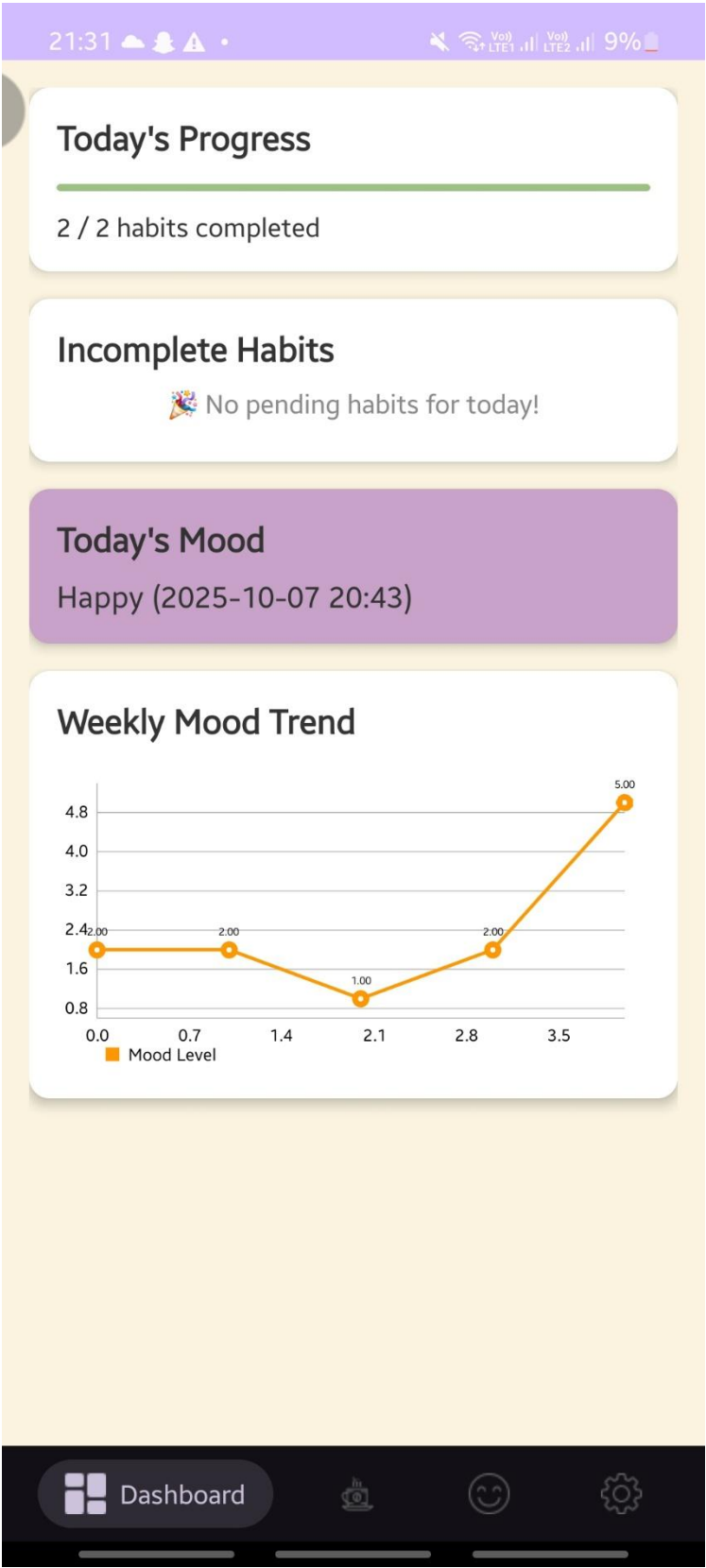
- **Data Persistence**
  Your habits, moods, and settings are safely stored using SharedPreferences, ensuring your progress is never lost between sessions.

- **Modern and Calming UI**
  A soothing interface inspired by pastel tones and minimalist design to keep your focus on self-care, not distractions.

Screenshots:

😊 Mood Tracker

October 2025

‹						›
M	T	W	T	F	S	S
		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		

😊 ☹ 😠

Write a note...

Save Mood

😠 hcyug
2025-10-09 16:51

😕 ihhh

⬛   ☕   😊 Mood   ⚙

Habits

Drink 7L water ✏ 🗑

Walk 2000 steps ✏ 🗑

Add Habit

_____

CANCEL   SAVE

Habits

+

Habits

Drink 7L water ✏ 🗑

Walk 2000 steps ✏ 🗑

➕

Habits ☺ ⚙

Hydration Reminder

Enable reminders

Interval (hours)

1 ▾

Save

Request Notification Permission

Data and App

Clear All Moods

Clear All Habits

Cancel Hydration Reminder

Note: Hydration reminders will only show if notifications permission is granted.

Settings

Content of xml files of Strings and Colors:

Strings:

```xml
<resources>
    <string name="app_name">Vivena</string>
    <string name="habits_icon">Habits Icon</string>
    <string name="habits">Habits</string>
    <string name="add_habit">Add Habit</string>
    <string name="mood_icon">Mood Icon</string>
    <string name="mood_tracker">Mood Tracker</string>
    <string name="happy">Happy</string>
    <string name="sad">Sad</string>
    <string name="angry">Angry</string>
    <string name="save_mood">Save Mood</string>
    <string name="habit_name">Habit Name</string>
    <string name="edit">Edit</string>
    <string name="delete">Delete</string>
</resources>
```

Colors

```xml
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="green">#9DC183</color>
    <color name="peach">#F88379</color>
    <color name="lavender">#C8A2C8</color>
    <color name="sunny">#FFB347</color>
    <color name="white">#FAF3E0</color>
    <color name="gray">#757575</color>
</resources>
```