



BahirDar University

Department of software engineering

Course : Mobile Application

Title: TaskTicker

Group Member	ID
1. Deborah Habtu	1505708
2. Nebila salh	1602936
3. Dagmawi Taye	1505627
4. Hermela tesfaye	1506530
5. Hermela Anteneh	1506542

Submitted to: Nardos

Submission

Date:24/02/2018 E.C

Project Proposal: TaskTicker - Smart Task Manager with Calendar Integration

1. Project Overview

Project Title: TaskTicker - Smart Task Manager

Team Members	GitHub Usernames
1. Deborah Habtu.....	Dddhhh1526
2. Nebila salh.....	Nebu333
3. Dagmawi Taye.....	dagmm7
4. Hermela tesfaye.....	Hermi-123
5. Hermela Anteneh.....	hermela-an

Repository Link: <https://github.com/dagmm7/TaskTicker-App>

Project Description

TaskTicker is an intelligent task management application that combines the simplicity of a to-do list with the visual organization of a calendar. The app allows users to manage their tasks through multiple views while maintaining color-coded categorization for easy visual tracking across different aspects of their life. **Purpose:** To provide users with a flexible, visual task management system that adapts to their preferred way of organizing - whether through calendar views, category lists, or completion tracking.

2. Requirements

Target Users

- Students managing assignments, classes, and extracurricular activities

- Professionals balancing work projects and personal commitments
- Individuals with multiple responsibilities across different life domains
- Visual learners who prefer color-coded organization systems

Platform

- **Primary:** Android (Flutter)
- **Compatible with:** iOS (via Flutter cross-platform capability)

Core Features

Navigation & Views

1. Default Calendar View

- Monthly calendar display with color-coded tasks
- Shows task titles on their respective dates
- Color coordination based on user-defined category colors

2. Category Tabs System

- Top navigation with: Calendar, Work, School, Family, +Add
- Customizable categories with user-defined colors
- Ability to add new categories dynamically

3. List Views

- Category-specific task lists with checkboxes
- "Tasks Completed" view showing checked items
- Consistent color coding across all views

Task Management

4. Task Creation & Editing

- o Add tasks with title, description, and category
- o Set due dates for calendar integration
- o Choose category color and text color
- o Reminder options (notification, email, or none)

5. Task Organization

- o Color-coordinated categories
- o Calendar integration for dated tasks
- o Completion tracking with checkboxes
- o Separate view for completed tasks

6. Reminder System

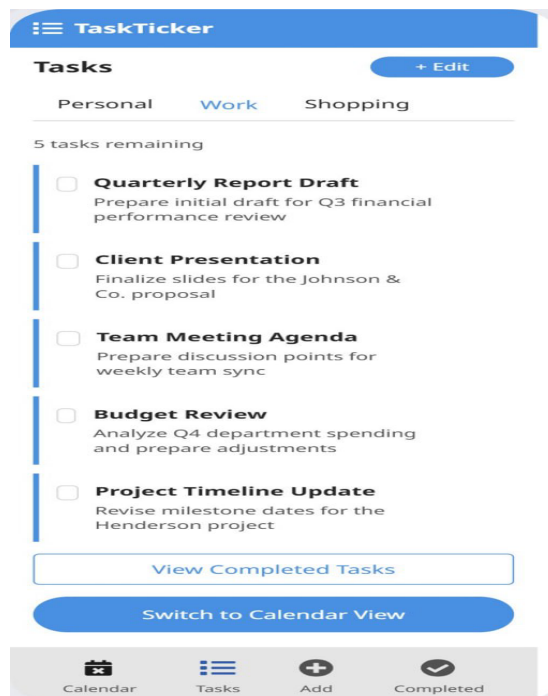
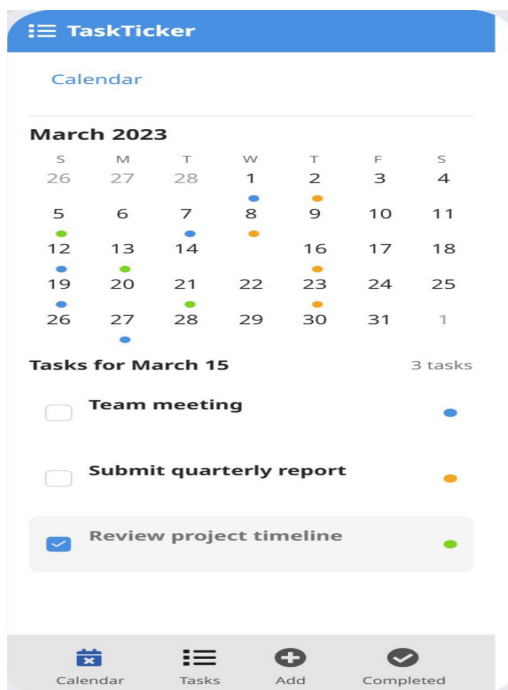
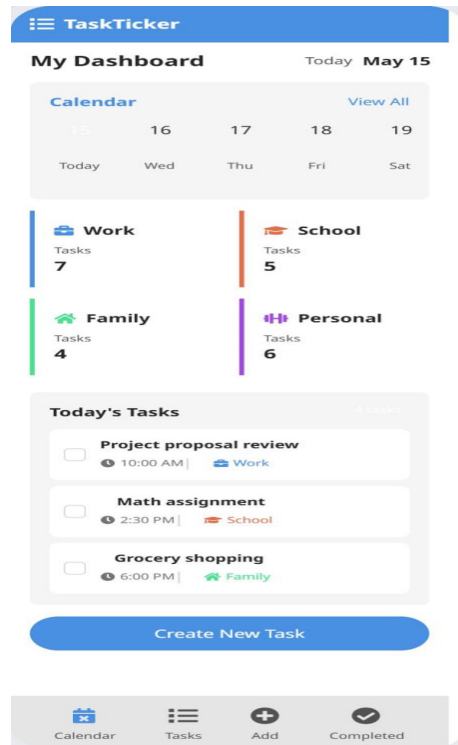
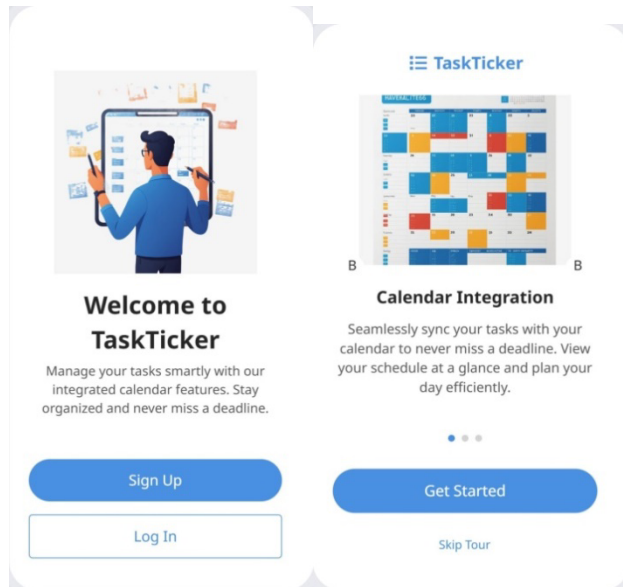
- o Notification reminders
- o Email reminder options
- o Optional reminder setting per task

Problems Addressed

Problem	Impact	TaskTicker Solution
Tasks are disconnected from time and schedule	Missed deadlines, poor time allocation, and last-minute rushing.	Default Calendar View that visually integrates tasks directly onto their due dates.
Difficulty in prioritizing and separating different life domains	Mental clutter, context-switching stress, and imbalance between work, school, and personal life.	Color-coded Category Tabs (Work, School, Family, etc.) for instant visual filtering and organization.

Standard to-do lists lack a visual overview	Inability to see the "big picture" of upcoming commitments and deadlines at a glance.	Multiple Views (Calendar & List) that allow users to switch between a visual timeline and a detailed checklist based on their needs.
No centralized system for tracking both pending and completed tasks	Lack of a sense of accomplishment and difficulty in reviewing past productivity.	"Tasks Completed" View that provides a dedicated space to see all checked-off items, reinforcing progress.
Forgetting to act on tasks at the right time	Tasks are created but still missed because they are out of sight and out of mind.	Integrated Reminder System with notifications and email options to bring important tasks to the user's attention

3. Wireframes



TaskTicker

Create New Task

Fill in the details below to add a new task

Task Title*

Enter task title

Description

Enter task description

Category*

Select category

Due Date*

MM/DD/YYYY

Reminder Options

Push Notification

Email Alert

None

Cancel

Save Task

Calendar

Tasks

Add

Completed

TaskTicker

Completed Tasks

Clear All

Today

3 tasks

Submit quarterly report

Completed

Call client about project timeline

Completed

Buy groceries for dinner

Completed

Yesterday

2 tasks

Schedule team meeting

Completed

Review presentation slides

Completed

Last Week

4 tasks

Finish monthly report analysis

Completed on Friday

Send invoice to client

Completed on Thursday

Update website content

Completed on Wednesday

Prepare agenda for team meeting

Completed on Monday

Calendar

Tasks

Add

Completed

