



BahirDar University

Department of software engineering

Course : Mobile Application

Title: TaskTicker

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Submission

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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
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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**
 - o Monthly calendar display with color-coded tasks
 - o Shows task titles on their respective dates
 - o Color coordination based on user-defined category colors
2. **Category Tabs System**
 - o Top navigation with: Calendar, Work, School, Family, +Add
 - o Customizable categories with user-defined colors
 - o Ability to add new categories dynamically
3. **List Views**
 - o Category-specific task lists with checkboxes
 - o "Tasks Completed" view showing checked items
 - o 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

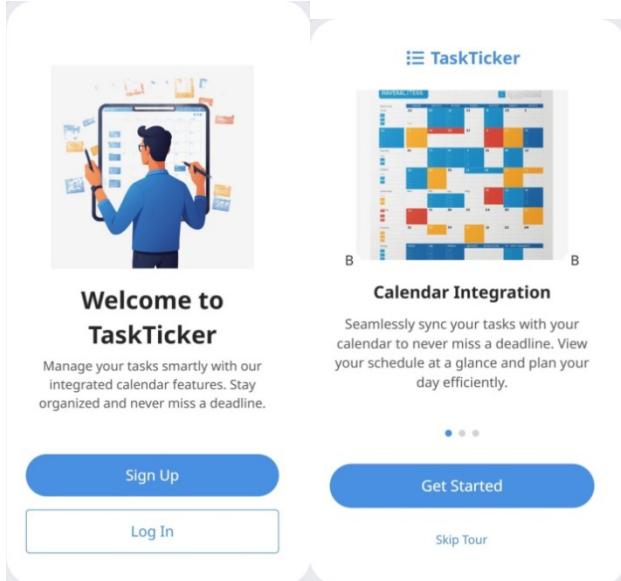
- o Notification reminders
- o Email reminder options
- o Optional reminder setting per task

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



Welcome to TaskTicker

Manage your tasks smartly with our integrated calendar features. Stay organized and never miss a deadline.

[Sign Up](#)

[Log In](#)

[Get Started](#)

[Skip Tour](#)

TaskTicker

Calendar Integration

Seamlessly sync your tasks with your calendar to never miss a deadline. View your schedule at a glance and plan your day efficiently.

Today's Tasks

- Project proposal review (10:00 AM) | Work
- Math assignment (2:30 PM) | School
- Grocery shopping (6:00 PM) | Family

Create New Task

[Calendar](#) [Tasks](#) [Add](#) [Completed](#)

TaskTicker

Calendar

March 2023						
S	M	T	W	T	F	S
26	27	28	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

Tasks for March 15 3 tasks

- Team meeting ●
- Submit quarterly report ●
- Review project timeline ●

[View Completed Tasks](#)

[Switch to Calendar View](#)

[Calendar](#) [Tasks](#) [Add](#) [Completed](#)

TaskTicker

Tasks [+ Edit](#)

Personal Work Shopping

5 tasks remaining

- Quarterly Report Draft** Prepare initial draft for Q3 financial performance review
- Client Presentation** Finalize slides for the Johnson & Co. proposal
- Team Meeting Agenda** Prepare discussion points for weekly team sync
- Budget Review** Analyze Q4 department spending and prepare adjustments
- Project Timeline Update** Revise milestone dates for the Henderson project

[View Completed Tasks](#)

[Switch to Calendar View](#)

[Calendar](#) [Tasks](#) [Add](#) [Completed](#)

TaskTicker

Create New Task

Fill in the details below to add a new task

Task Title*

Description

Category*

Due Date*

Reminder Options

Push Notification	<input type="button" value=""/>
Email Alert	<input type="button" value=""/>
None	<input type="button" value=""/>

Calendar **Tasks** **Add** **Completed**

- TaskTicker**
- ### Completed Tasks
-
- 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**

