GOAL

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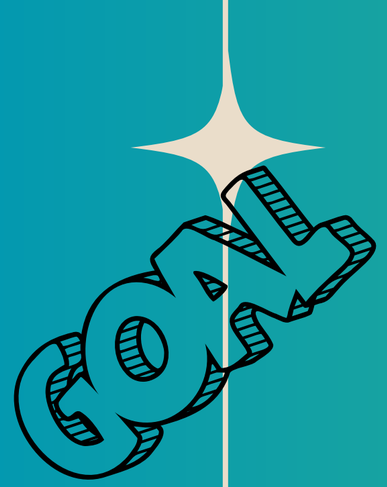
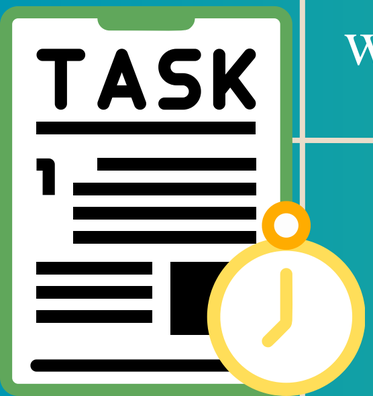
Agenda

- Project Overview
- Problem Definition
- Software overview diagram and explanation
- Software Requirements
- Software Testing Methodology
- App Demo
- Lessons Learned
- Questions



introduction

Our “Goal!” was to create Android app that’s accessible for everyone. That is designed to help you achieve your goals. There is no targeted audience; it's available to all consumers. Whether you're a tech-savvy enthusiast, a busy professional, a student trying to manage their time , or anyone in between. Our product is tailor-made to enhance your lifestyle. We believe in inclusivity and accessibility for all, which is why we've made sure that everyone can succeed using our app “Goal!”



PROJECT OVERVIEW

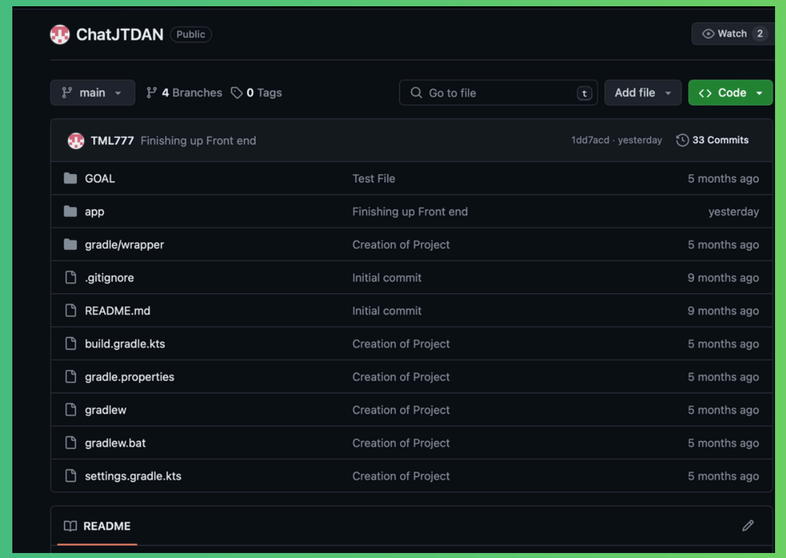
1. Students struggle sometimes with time management and with getting all their assignments on time. Organizing a healthy schedule on how to get all their work done on time is crucial and I can stand by that since I’m a student myself. Thus, The intended use in this case would be that “Goal!” keeps up with the list of tasks you assign to it by sending reminders of when a separate task is due.

2. Doctors as well have a lot on their plate. We made “Goal!” an app that has ease of use which means making it user-friendly a top priority of ours. You don't need to be tech savvy to enjoy our product. It’s intuitive and straightforward to anyone now doctors could simply open the app and add in when their next appointment with their patient is going to be. Just by setting a time and date for when the event is taking place.

SOFTWARE OVERVIEW

Program

The development process of the Goal application involved the utilization of Android Studio as the integrated Development environment and Java language.



Source Control

We used Github for our source control and collaboration so that the online repository could be easily shared.
Database : SQLite

Software Requirement

SRS Req. ID	Paragraph Title	Verification Method
FUNC_SRS_1.00	The program shall have a button to add new main tasks which will allow the user to enter information about the task.	Inspection
FUNC_SRS_1.01	The program shall allow the user to enter a due date or a completion by date for the task.	Demonstration
FUNC_SRS_1.02	The program shall allow the user to enter a short description for the task.	Demonstration
FUNC_SRS_1.03	The program shall allow the user to create subtasks for each task.	Demonstration
FUNC_SRS_1.04	The program shall allow the user to enter notes for the task, or other important information about the task.	Demonstration
FUNC_SRS_2.00	The program shall have a page displaying all the main tasks.	Demonstration
FUNC_SRS_2.01	The main tasks on this page shall show their name, and their short descriptions.	Demonstration
FUNC_SRS_2.02	Once clicked on the main task, a page shall open that will have all the information of said task, as well as links to subtasks.	Demonstration
FUNC_SRS_2.03	There shall be a check box that indicates whether a task is completed or not.	Demonstration
FUNC_SRS_3.00	The program shall have a calendar page.	Demonstration
FUNC_SRS_3.01	The calendar page shall allow the user to see completion by dates.	Demonstration
FUNC_SRS_3.02	The calendar page shall allow the user to also see which tasks are due when the user taps on a particular date.	Demonstration
FUNC_SRS_3.03	The calendar page shall have arrows to allow users to move from month to month.	Inspection
FUNC_SRS_4.00	The program shall have buttons at the bottom of the page to allow the user to switch between pages.	Inspection

SRS Req. ID	Paragraph Title	Verification Method
FUNC_SRS_4.01	The buttons shall be for the main task page, calendar page and statistics page.	Demonstration
FUNC_SRS_5.00	There shall be a statistics page, which will have different statistics about completed tasks.	Demonstration
FUNC_SRS_6.00	There shall be pop-ups to congratulate or motivate the user when they have finished or are close to finishing a task. The same will happen for reminders when a task is almost due.	Demonstration
EXTINTF_SRS_1.00	The user shall be able to tap on dates on a calendar interface and also tap arrow buttons to move from month to month.	Demonstration
EXTINTF_SRS_1.01	The home screen shall display a list of tasks that will be organized in a list form; the user can tap on each task to expand it for more details. Each task will have an edit button and a deletion button for the user to make any modifications to individual tasks.	Demonstration
EXTINTF_SRS_1.02	For task completion, the user shall be able to tap on a check mark next to each task's name to mark it as completed.	Demonstration
EXTINTF_SRS_1.03	From the home screen, the user shall be able to access pages for both deleted and completed tasks. On those respective pages, tasks can be recovered, which will bring them back to the home page.	Demonstration
EXTINTF_SRS_1.04	Besides calendar dates (unless a date is selected), all buttons shall be color-coded to indicate interactive functionality.	Demonstration
EXTINTF_SRS_1.05	At the header of the home page shall be the name of the app; at the footer will be information about the version of the app as well as help information.	Demonstration
EXTINTF_SRS_1.06	On each task, the user shall be able to access dropdown menus to schedule due dates for each task.	Demonstration

SRS Req. ID	Paragraph Title	Verification Method
EXTINTF_SRS_1.07	When the user taps on the date from the calendar page, the date's popup shall display the titles of any tasks that have been marked on their respective pages to be due on that day. On any task's page, a due date may be scheduled via a dropdown menu.	Demonstration
EXTINTF_SRS_1.08	The buttons on the bottom of the page shall have icons indicating where they lead (The home page a home icon, calendar page a calendar icon, etc.)	Demonstration
EXTINTF_SRS_2.00	The App shall support any smartphones that run on Android OS 7.0 or later.	Demonstration
EXTINTF_SRS_3.00	Both the frontend and backend sides of this app shall be built in Android Studios.	Demonstration
EXTINTF_SRS_4.00	While there will not be in-app support, users shall be able find an email at the header of the home page of the app that they may email with any feedback for the app.	Demonstration
NONFUNC_SRS_1.00	App shall only be available through Google Play Store.	N/A
NONFUNC_SRS_2.00	The Android application itself shall be under 64 MB with additional storage <64 MB for database entries stored inside the application	Analysis
NONFUNC_SRS_4.00	The app could only crash if there is a problem with available memory or if the device ran out of free storage.	N/A
NONFUNC_SRS_5.00	The graphic resolution of the app along with the screen size shall scale to the capabilities of the device it's running on.	N/A
NONFUNC_SRS_6.00	The usability of this application shall be intuitive to somebody who isn't tech savvy.	Demonstration
NONFUNC_SRS_6.01	The app shall be available by pushing a button on the app store.	Demonstration

Software Testing Methodology

- **Navigation bar** - buttons take you to all of the pages
- **Main page** - add, delete, and edit tasks
- **Calendar page** - move between different months
    - Delete and edit tasks
- **Individual task page** - accessible by selecting task on home and calendar pages
    - Add, edit, and delete tasks
- **Archive page** - restore and permanently delete tasks

Software Testing Methodology

- **Approach -** specific goals will be created and tested for add, edit, and delete functionalities
- **Requirements -** a tester will only need a device to run the app and the app itself
  - Simulation will be run in Android Studio, in which the app was developed
- **Problem reports and change requests -** can be presented to the whole team as a descriptive message including information about actions performed and pages on which problems occur or changes are to be made

App

Lesson learned

1. Basics of Android Development
    a. Java/Kotlin knowledge
    b. Classes Exclusive to Android
    c. Android Studios
2. Database Development
    a. SQLite
3. Plan Before You Code
    a. Wireframes and Mockups
    b. Project Structuring
4. Worked with the Waterfall Methodology

THANK YOU FOR YOUR ATTENTION