

ITAS 282 Final Project Proposal

Jan 12, 2023

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The Elevator Pitch

I would like to create a to-do list that is shared between people. I will have a list of things I need to do and anyone who I add to my list can add/remove things from the list.

Analysis

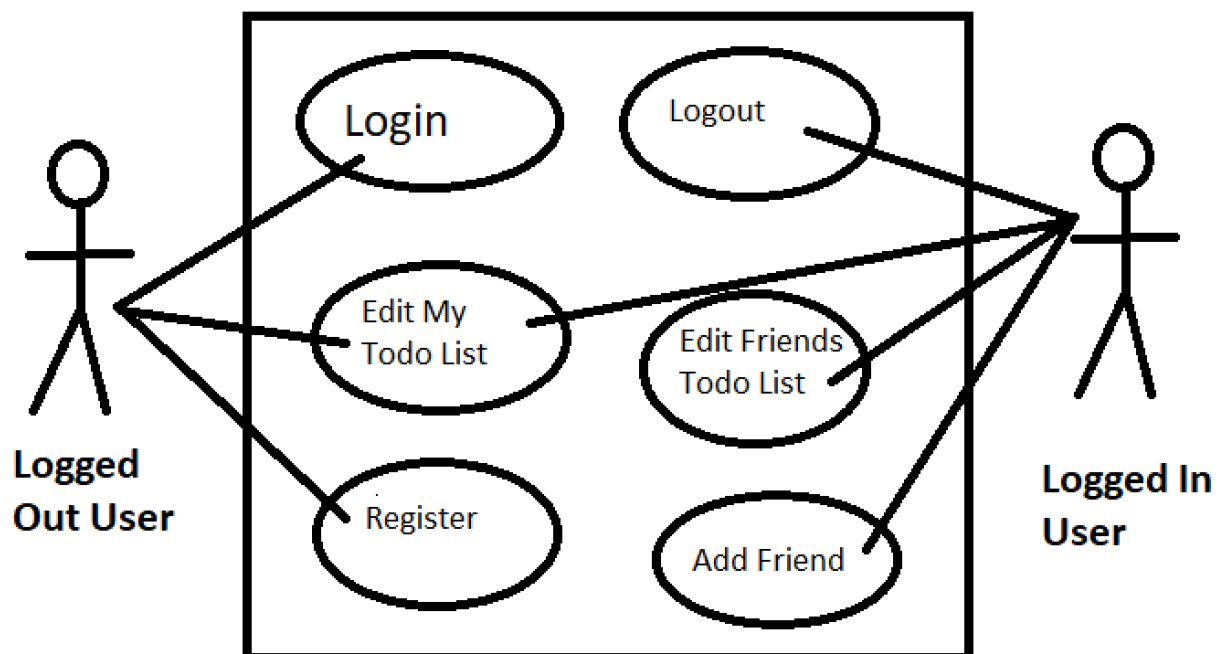
There are some other to-do list apps that you can use collaboratively but they are all for teams. I would like something where I can have my list of things to do, and then if for example my mom needed me to do the dishwasher she could add it to my list of things to do.

Stakeholders

The main people who would probably use this would be families. I don't intend on making an app for team management in a workplace because there are already many alternative apps that can do it well.

User Types

A logged out user should be able to register/login to an account as well as edit their own to-do list. A user who is logged in should be able to logout, edit their to-do list, edit their friend's to-do list, and add a friend.



User Stories

Scenario: As someone who has not registered for an account, I want to register for an account.

Given that I am on the register for an account page

When I enter a valid username, email, and password

And I click register account

Then my account created and I am now a logged in user.

Scenario: As a user I can add anything to my to-do list.

Given I am on my to-do list page

When I press add task and enter the information for what my task is

Then my new task is added to my list.

Scenario: As a user I can remove anything from my to-do list.

Given I am on my to-do list page

When I press remove task on whatever task I want to remove

Then the task should be removed from my list.

Scenario: As a user I want to be able to add a friend

Given I am on the add friend page

When I enter my friend's username and send the request

And my friend accepts the request

Then we are now friends.

Scenario: As a user with a friend added I want to add something to their to-do list

Given I am on my friend's to-do list

When I click add task

And type in the information for the task

Then it is added to my friend to-do list.

Scenario: As a user with a friend added I want to be able to remove them from my friend list.

Given I am on my friend list

When I click remove friend

Then they are no longer on my friend list.

Scenario: As a user I want to edit one of my tasks

Given I am on my to-do list

When I click edit task

And type in the new information for the task

Then the task is updated with the new information.

Scenario: As a user I want to log out.

Given I am on the homepage

When I click log out

Then I am logged out of my account

Technology and Resources

I don't think there will be any costs associated with the project, assuming that we use firebase to store the data which is free, but I still haven't decided on if that's the way I should go or not.

Key Tasks

Key tasks would be setting up a working to-do list for myself, Setting up a database for the list. Adding accounts to the app, adding friends option, and making lists shared between friends. The 3 big milestones would be making a functional to-do list with a database, adding accounts and friends to the app, and making the lists shared between friends.

Potential Limitations and Risks

Because I will probably do this in flutter, it might be a bit difficult to get everything done in time. If I have to scrap the whole users/friends and just make it one shared notepad I could because it will still have the same functionality for me if I can just use it for personal use.

References and Resource Links

Simple to-do list in flutter tutorial

<https://daily-dev-tips.com/posts/build-a-todo-list-app-with-flutter/>

Firebase with flutter tutorial (if I choose to use firebase)

<https://firebase.google.com/docs/flutter/setup?platform=ios>

Authentication with flutter and firebase tutorial

<https://firebase.google.com/docs/auth/flutter/start>