

TrackUrWork

Inspiration:

As an international student, I am only allowed to work maximum of 40 hours per week which are be distributed as 20 hours on campus and other 20 as off campus job. This semester, i got fall internship for 20 hours and assistantship with professor for another 20 hours. It is hard for me to maintain different tasks for this jobs along with my course work including homeworks, labs, projects etc. I would like to propose an app which allows me to keep track of my tasks which are pending, in progress and even done including work hours. As F1 student, I may lose visa status if my weekly work exceeded 40 hours per week and this app will alert me in such cases before hand with hours left for the current week.

Goal:

I will continue project 1 and will implement data persistence using Firebase. App will help to add task with name, description, color, date, estimated hours or time spent. Once task is added, it will display on either "Do Today" view or "To Do" view based on date selected during add task. All tasks with today's date will be moved to "Do Today" view. Once task is started, user can move it to "In Progress" view and to "Done" view when it is completed and data will be stored in database using firebase. This will help users to keep track of their work or tasks with data persistence. Users can select optional feature "Track my time" during add task to track their work hours. When user selected this feature, hours worked will be displayed at the bottom with hours left to work for the current week. User need to select maximum hours he/she can work per week under "Settings" prior to this or app will assume 40 hours which is default value for the calculations. To summarize, the goal of this app is to help students to track their tasks which includes homeworks, labs. Projects, job works etc along with hours worked and data persistence.

Intended Audience:

This app is intended to students, professionals and very useful for international students. With this, international students can keep track of work hours for the current week which plays crucial role in visa status and helps to comply with federal laws of employment in US.

Calculations:

We need to keep track of hours worked when user selected "Track my time" during add task process. Will keep on adding hours to "hours worked" field whenever this option is selected. Subtract "Maximum hours allowed" to work under Settings (Default value is 40 hours) with "hours worked" to display "hours left" for the week at the bottom of the screen. User can change "Maximum hours allowed" to work under Settings at the top-right of the screen. All the calculated values will be stored in database after calculating hours worked and left. At the same time, values from the database will be fetched in case of updation of the same values.

Design:

