Toris Application Outline

Jacob Lloyd

Mobile Application Development COM-437-OL01

Professor Derrick Worsley

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**About Toris**

Toris is a modernized to-do application that is Android based. Its purpose is to organize long-term goals into attainable smaller goals called Ties.

**Problems that Toris Addresses**

Toris addresses the issue with many to-do applications or task organizer in a personal or work environment not being optimized for long-term use. By allowing larger goals to be broken down, the application can be better utilized for long-term work projects or personal aspirations.

**Platform for Toris**

Toris will be created and updated to function as a ~~hybrid~~ application on the Android platform. Specifically, it will be made for the minimum Android version of Nougat 7.1.1 API 25.

**Update:** Will now be primarily a native application until further notice.

**Front and Back End Support**

On the frontend of the application, ~~ReactJS will be used~~. On the back end, ~~NodeJS will be used~~. These two tools were chosen due to their ability to work together efficiently.

**Update:** Now will utilize XML/Java for front-end and a writable database for backend support.

**Functionality**

* Setting goals how they should be
  + Separates tasks into long term ones known as Goals and smaller day-by-day tasks called Ties. It is designed to assist the user to achieve their long-term goal overtime instead of just using a day-by-day to-do list.
* Scheduling
  + Will have scheduling functionality that will allow the user to program the dates and times that the Goal or Tie needs to be complete.
* Reminders
  + Is set to utilize mobile notifications to remind users of current tasks that are due while also preparing them for the future tasks ahead.

**Design**

The design will be set around a dashboard that will have all the current Goals assigned along with their corresponding Ties depending on what goal is selected. It will have the ability to create and edit new Goals and Ties, a progress page for each Goal to see a more detailed summary, customization to make the app more user-designed, settings to mute notifications or change the name. The wireframe for the design is placed below.

**Changes**

* Front-end will now be primarily reliant on XML or Java depending on the element being used.
* Back-end will revolve around a database that will keep track of the goals and ties set by the user while also being capable of referencing and changing them.
* Toris will now be primarily a native app unless further development occurs.
* Designs and graphics will be created using the opensource platform Inkscape.

Graphical user interface, application

Description automatically generated

GitHub Repository

<https://github.com/jacoblloydedu/Toris>

GitHub Wiki

<https://github.com/jacoblloydedu/Toris/wiki>