Trask by Kyle Holmberg

# Mobile Project Management Application

The need to maintain, change, and observe a project’s plan and progress does not stop when a manager leaves the office. Trask will be a vital tool for offices that utilize Scrum tables, Gantt charts, or a dynamic business schedule. The application is designed to be one place for all the tools necessary to communicate with team members, visualize the project (in all scales), and maximize workplace throughput.

# Application Mock-Up

## Attached in repository as an ordered set of .jpg files.

**Menu**

+Initial screen is 1-Menu.png

+Tapping on upper-right corner icon does a flip segue into 2-ProjectDirectory.png

+Tapping on Tickets button segues into 5-ViewScrumColumn1.png

+Tapping on Chat button will show a selection of universal links to 3rd-party chat applications

+Tapping on Notifications button will show 9-Notifications.png

+Tapping on Settings button will show a populated version of 4-CreateProject.png

**Project Management**

+Moving and deleting of projects in directory is demonstrated in 3-OrderingDeletingProjects.png

+Tapping on upper-right corner icon of 2-ProjectDirectory.png does a swipe segue into

4-CreateProject.png

**Ticket Management**

+Tapping on the upper-right corner icon of 6-ViewScrumColumn4.png will segue into

8-AddTicket.png

+Tapping on the cog in the bottom right corner of Ticket 4 in 6-ViewScrumColumn4.png will cause a segue into 7-SeeEditTicket.png

+Tapping on any cog will segue into a similar, relevant view of 7-SeeEditTicket.png

+Tapping on icon in upper-left corner of any scrum column view will return to 1-Menu.png

**Not Explicitly Captured**

Only the most obvious functionality is ignored in this mock-up description/mock-up photos.

# Optional Requirements:

## + Allow user to link with Calendar and Reminders

## + Custom View: Scrum Column View

* Swipe between columns
* Easily edit column name
* Drag and drop tickets between columns

# Persistent Core Data Entries

|  |  |  |
| --- | --- | --- |
| **ENTITIES** | **ATTRIBUTES** | **RELATIONSHIPS** |
| Project | settingsNotifications  settingsColor  columnsArray<column<ticketTuple>>  projectNumber: Int  projectName: String  persistentTicketCounter: Int | columnsArray  columnArray |
| Columns<Column> | columnCount: Int | Project  columnArray |
| Column<Ticket> | ticketCount: Int  columnName: String | columnArray |
| Ticket: Tuple | ticketNumber: Int  ticketTitle: String  ticketDetail: String?  ticketComments: String?  ticketCreationDate: NSDate  ticketMilestone: NSDate  ticketLabel: Label?  ticketTag: Double?  ticketAssignee: String? | columnArray |