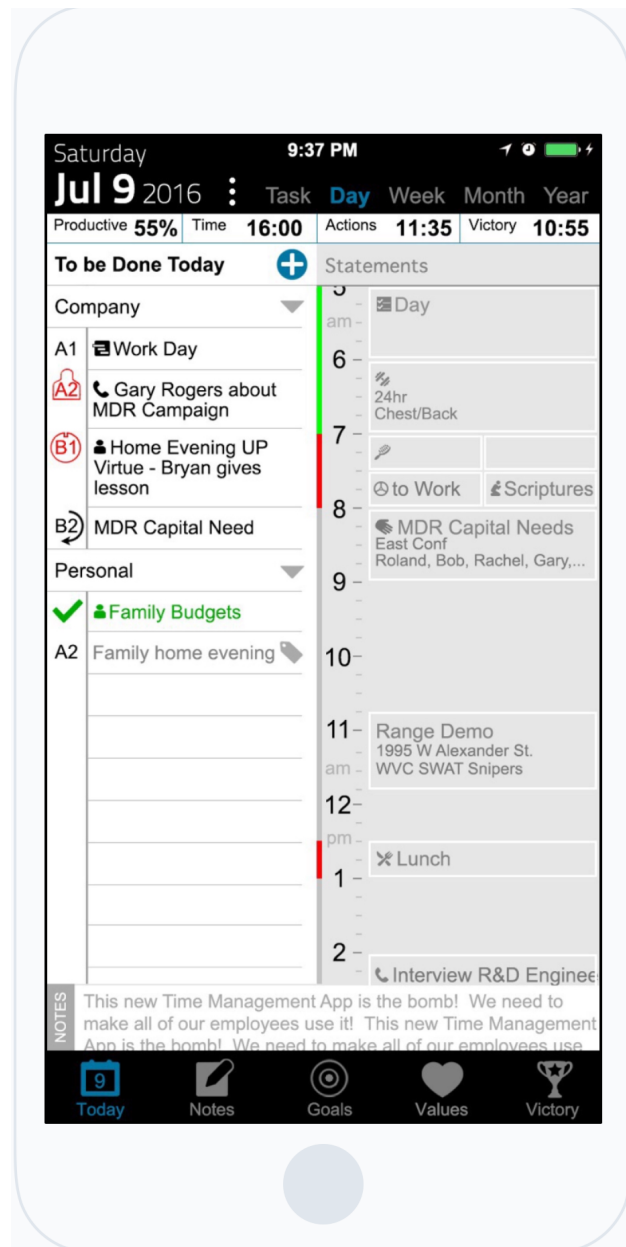John Young u1071673
Ben Andrews u0756709

Project Final

Mobile App Programming

- **See features included in this project below. (note only features in the break down are in the this app for the purpose of this final project)**
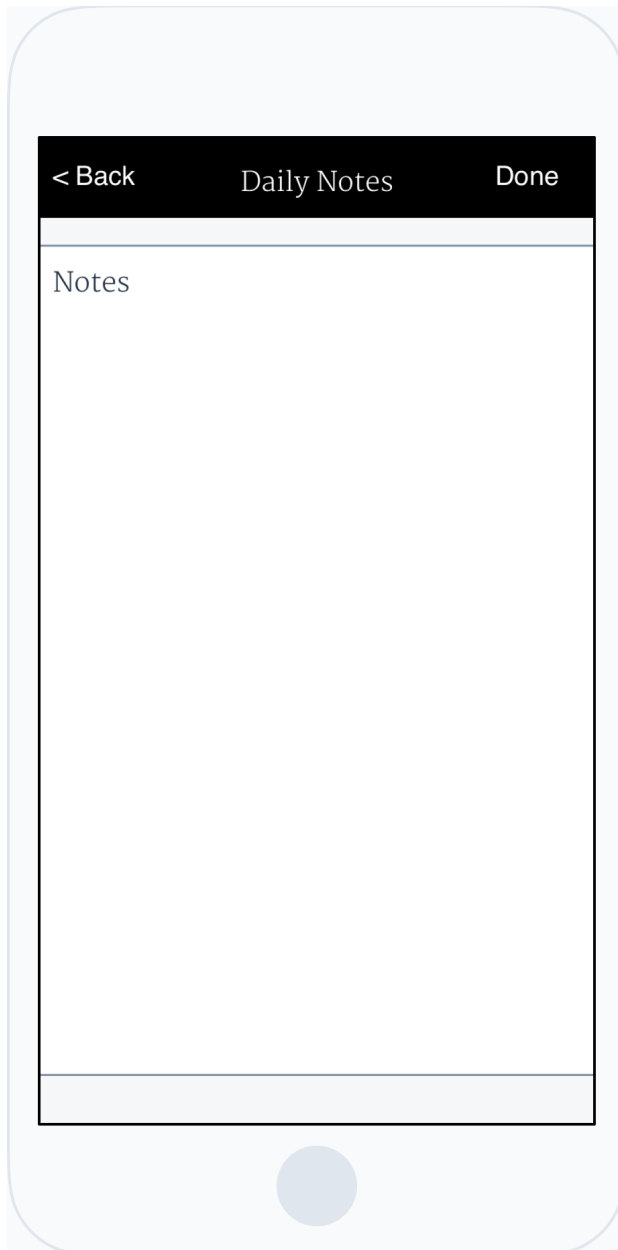
- **Day view Screen**

The interface will be a tabbed based application. The interface consists of pages such as today, notes, goals, values and victory (only today and notes will be included in the final projects the rest are future features). The Daily screen page consists of tasks on the left, a native iOS calendar on the right and a colored bar between the two to represent the different types of times during the day. Tapping on a task will bring you to the task screen to view/edit it's details. For the purpose of this final design we will only do a day view and not do a week month or year view.
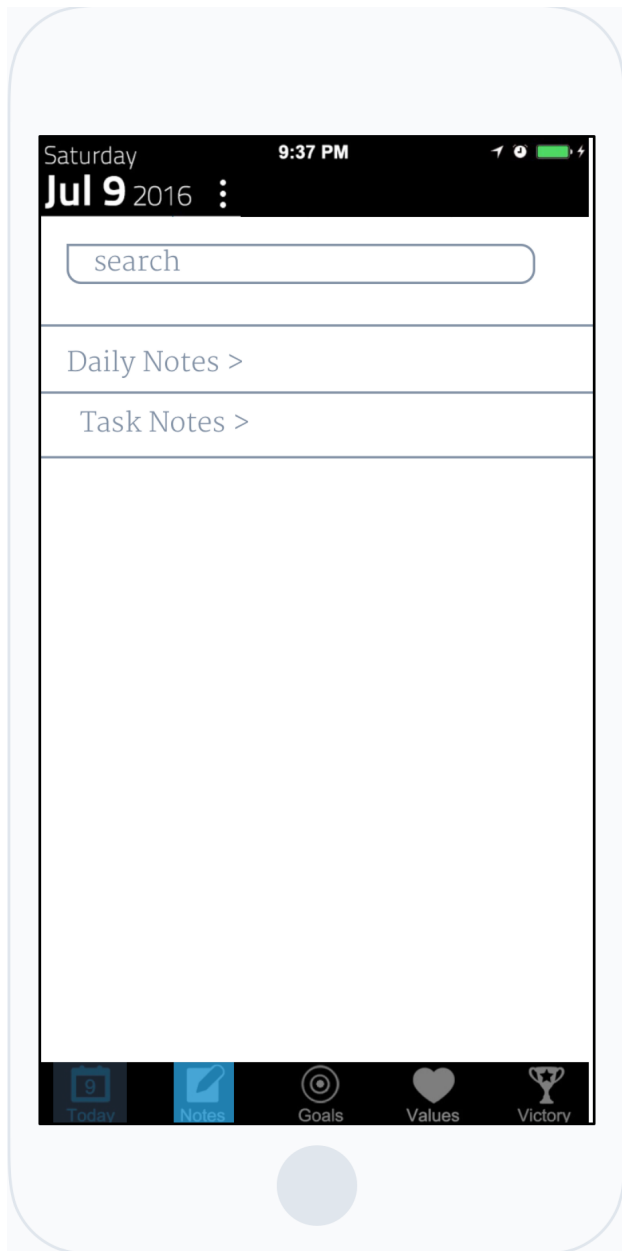
- **Task Details Screen**

The task screen is a screen that will be used to edit tasks. Here tasks can have a status (in progress, delegated, scheduled and complete). They can be grouped (work, school, personal etc). They can have notes (ex: teacher said assignment will take 2 days minimum). They will have a priority as well (A1 all the way to Z10). Here a task can be set up be a master task or a sub task depending on the task type (master or sub task) then you should be able to tie this task into another task.

< Back	Done
Title	
Status	
Priority	A1
Date	3/27/2017
Task Group	
Notes	

- **Daily Notes Screen**

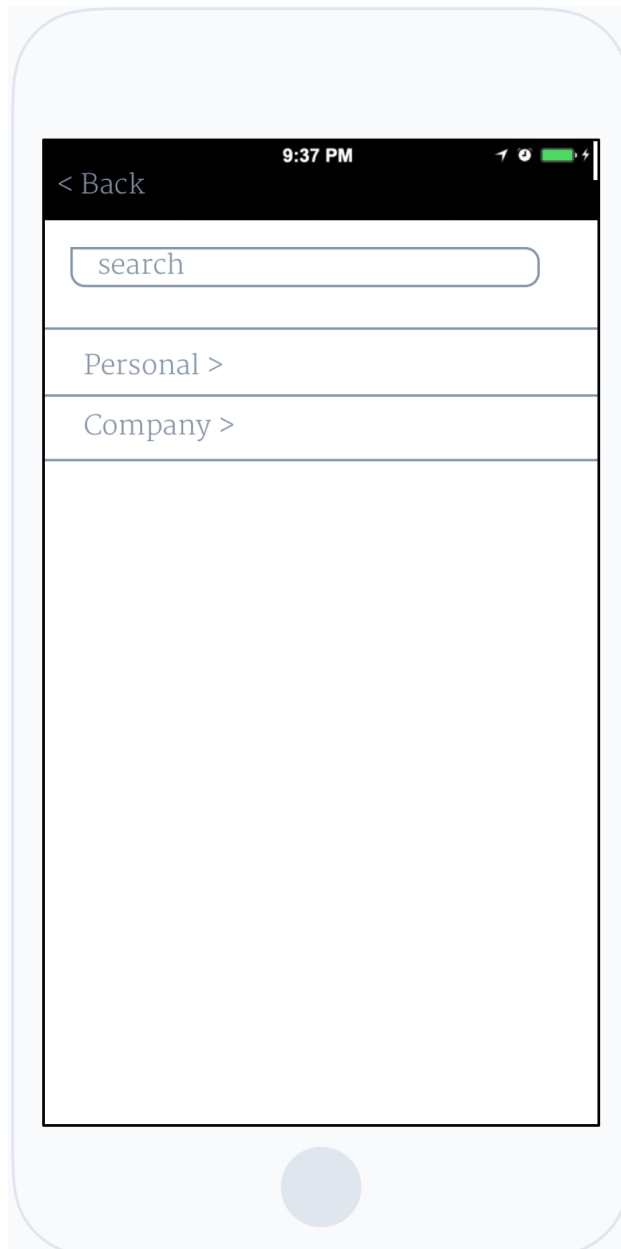| < Back	Daily Notes	Done

Notes

Daily notes can be taken each day this menu is access via the day-view screen by tapping the notes at the bottom of the page. This will allow you to type anything to do with that day to help you log any thing of importance to you.

- **Notes Screen**

Saturday
9:37 PM
Jul 9 2016 ⋮

search

Daily Notes >

Task Notes >

9 Today | Notes | Goals | Values | Victory

Notes can be searched by a keyword. They will be grouped by Daily Notes or Task Notes and inside task notes you will have sub groups of each task group. Depending on where you are in this folder hierarchy determines which notes will be included in the search.

• **Tasks Screen**

Sub daily tasks and Master tasks can be created, edited and deleted from this menu. A master task can be tied to one or many individual daily tasks or no daily task. A master task is tied to a task group. A master task contains the progress of all the daily tasks. Here you can show all tasks by opening up all sub folders. Inside each task group folder you will be presented with the ability to view tasks grouped by master tasks or all tasks.

List of Future Features: Ordered by Priority

Time Tracker - Keep track of the number of hours spent on a task or goal. A time instance can be created, edited, deleted, and assigned to a specific task or goal. Notifications could be setup in the settings to remind the user to log their time.

Time Log Viewer - Displays the time spent on a certain task or set of tasks based on the priority of the task or group of tasks. Time spent could be displayed as a graph or chart (piechart, bar chart, or line chart).

iCloud Task Delegation - Tasks will have the option to be delegated out to multiple delegates via their task's status. This task will be shared via iCloud to each person on the delegation list. An example being for team members or team leaders to add themselves to another team member's delegation list to see the status of their team member's tasks. (Really want this feature but unsure what additional technologies is needed to implement these)

Productivity Tracker - Keep track of the number of tasks that have been set and the number of completed tasks.

Send to User (Import/Export) - Send Task/Goal/Value/Notes/Meeting to other users or a group of users.

Sharing - Share Task/Goal/Value/Notes/Meeting with other users.

iCloud Syncing - User data can be saved to iCloud

Meeting Planner - Meetings can be scheduled and are tied to iCal events. This page contains the meeting information and tasks specific to that meeting.

Goal Setter - User would be able to set goals based on a time period and category.

Values Setter - User could set values based on principles or custom principles of their choice.

Goal Viewer - Users may view their list of goals based on their time frame and priority

Value Viewer - Users may view their list of values based on their priority

Breakdown and Tracking: Estimated VS Actual

Daily Screen	Estimated Time (hours)	Actual Time (hours)
Custom Task view on the left side to display the tasks for each group. Expanding/Collapsing group functionality.	6	8
Custom calendar view	10	20
UITabViewController and UINavigationViewController implementation	0.25	0.5
Custom daily notes at the bottom of the screen	0.25	1
Main Composite View	0.25	0.5
Total	16.75	30

•

Daily Calendar Screen	Estimated Time (hours)	Actual Time (hours)
Displays the days of the year. Will let users choose what day they want to view for tasks.	4	4
In our model we would need to keep track of the days that have tasks recorded on them and allow the user to display any day's tasks	4	4
Total	8	8

Daily Task Details Screen	Estimated Time (hours)	Actual Time (hours)
Displays information about the task. Displays the status of the task, the task group of the task, the status of the task, and the priority. This information is pulled directly from the model for that day. Also, will allow the user to edit the task(View)	6 (After the model is done)	10
Update the data model if the user made a change to a task.	3	4
Total	3	14

Add new daily task screen	Estimated Time (hours)	Actual Time (hours)
Input details of the task into the view. Task information such as task name, master task, task group, and priority of the task. (View)	4	4
Add new task to the collection of tasks to that day in our model	2	4
Total	6	8

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Daily Notes	Estimated Time (hours)	Actual Time (hours)
record and save daily notes. Notes are specific for that day and only that day. (View)	2	2
Total	2	2

Collection of Notes	Estimated Time (hours)	Actual Time (hours)
Display daily notes and task notes using drop down arrows. Notes are grouped by the day they were recorded, the master task they fall under and the daily task they fall under. (View)	6	6
Notes are stored in the model based on their hierarchy. Each note is tied to a task or day.	2	3
Total	8	9

Collection of Tasks	Estimated Time (hours)	
Display all tasks. Tasks are grouped by their master task and task group.	4	4
User can search through the tasks that they want to display.	4	4
Keep a collection of tasks in the data model where each task could to a master task and each master task could be in a group.	6	6
Total	14	14

Overall Estimated Total Hours	57.75

Overall Actual Total Hours	85