

# Project Proposal

## Project Proposal

Create an iOS app which enables freelancers or those whom are self-employed to track time worked, enter user and client information, and ultimately provide emailed invoices.

## Required Criteria

My final project will utilize a tab bar container view controller as I believe this will best achieve the goal of having one main scene where most of the user's time is spent with three additional scenes to enter job information, user information, and review and send an emailed invoice. This functionality will allow a user to easily start/stop their work timer with extraneous information tucked away in their respected views. See the included document titled ProjectProposalSketchup.pdf for a visual and more detailed explanation of each scene. If the user opts to not enter any information in either Job or User scenes, the app will instead function as a timer log after encouraging the user to first optionally complete the set up.

All information entered or configured by the user in either Job or User scenes will be persistently stored via Core Data. The Core Data model will consist of three entities labeled history, job, and user. See the included document titled ProjectProposalDataModel.pdf for screenshots of an example data model. Information previously entered by user will be loaded on demand and displayed as exemplified in ProjectProposalSketchup.pdf.

## Optional Criteria

A Send Invoice button will be on the bottom of the Done scene that will allow the user to email their client all relevant information and bill of service. This functionality will be implemented via email if the user has properly configured the appropriate settings in both Job and User scenes, otherwise prompting the user to complete the app set up to continue.

Lastly, the app will also play gentle sound notifications every 15 minutes the user is on the clock. This functionality exists to not only remind the user to stay on task but also as a form of positive reinforcement. The main Home scene will also contain a switch allowing the user to mute the app's audio at any time.

## Progress Milestone 1

- Tab bar controller implemented and configured in storyboard
- Home and Job scenes implemented in storyboard and mostly functional

## Progress Milestone 2

- User scene implemented in storyboard and mostly functional
- CoreData User & Job entities implemented and utilized by Home scene

## Progress Milestone 3

- All scenes mostly functional
- Data model implemented and mostly utilized by relevant scenes