WhenToMeet

Group 4

WhenToMeet

Group Members:

- Sarah Gorring
- Mehul Gore
- Steven Zhu

WhenToMeet

Application Description:

This app is designed to facilitate when a group decides to meet up by computing intersections between schedules to find the best mutual free times for a meet up. The schedules are input using a simple tabular interface and is based on a binary of busy or free, without any details of what the user is actually doing; this maintains security and privacy. To use this app, the user simply logs in, adds their schedule for the next two weeks and creates an event.
The user will have different groups of friends whose schedules will be intersected. Each group a user is in will be completely separate from any of their other groups. Afterwards, an “event” can be created and optimized times for that event would automatically be generated.

<App Name>

Target Audience:
Our target audience is students, with a focus on college students.

- Students find it difficult to find free time in their busy schedules
- Students often plan to hangout with friends but never get around to it due to not being able to find a time that works for everyone
- Students commonly have groups of friends larger than three people. Groups larger than three people are hard to coordinate through messaging and using event scheduling through current tools such as Google Calendar, Facebook, when is good, etc. is often too formal
- No one wants to know exactly what you are doing, so through the binary input, you can block off time just for Netflix if you wanted, something you wouldn't do on Google Calendar
- Students often need to work in groups for school projects, this tool would allow them to schedule daily meeting times for groups

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Application Functionality:

- User Accounts - A user will be able to log in and save his/her schedule that will be associated with his/her account. A user will not be able to have access to his/her schedule or groups unless logged in.
- Binary Schedule Input - A scrollable tableview with one column and 48 rows (30 minute time slots in a 24 hour day) with labelled time slots would be displayed. There will be one of these tables for each date in a two week period. Simply scroll down a list of times and click on the times you are busy, and that day's schedule will be updated.
- Group Creation - Create a group of people. When an event is created all of the group members schedules will be intersected. An individual can be in multiple groups.
- Sleep Scheduling - The user can set a time frame he or she will be sleeping by entering a sleep and wake up time. Users will be set to busy during these hours.
- Recurring Event Tracking - The user will be able to select weekly times that will automatically populate on your schedule for next week.
- Event creation - Allows the user to create an event for the group. Upon creation an event will give the user the available times for all group members over the next two weeks.

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Application Challenges Experienced:

- Race conditions with setting and pulling data from firebase
- Firebase stuff
- Date formatting
- Constraints
- Side bar menu

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Group Member Contributions:

- Sarah Gorring
  - <Contribution 1>
  - <Contribution 2>
- Mehul Gore
  - <Contribution 1>
  - <Contribution 2>
- Steven Zhu
  - <Contribution 1>
  - <Contribution 2>

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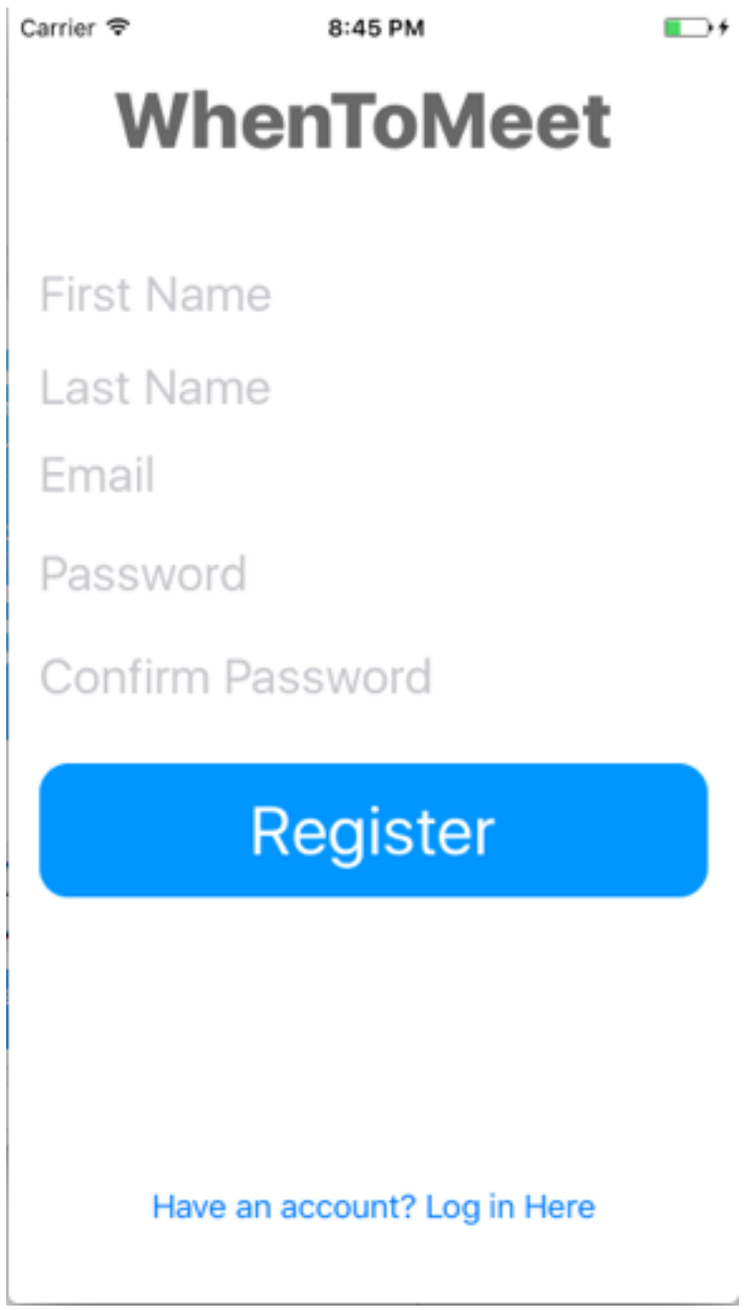

This is the screen where the user creates a new account. The user navigates to this page by clicking the ‘Make an Account’ button on the first screen. To create an account the user must enter their first name, last name, email, and create a password. The user must enter their password twice to ensure it has been entered correctly. When the user clicks the ‘Register’ button they will continue to the schedule input screen.

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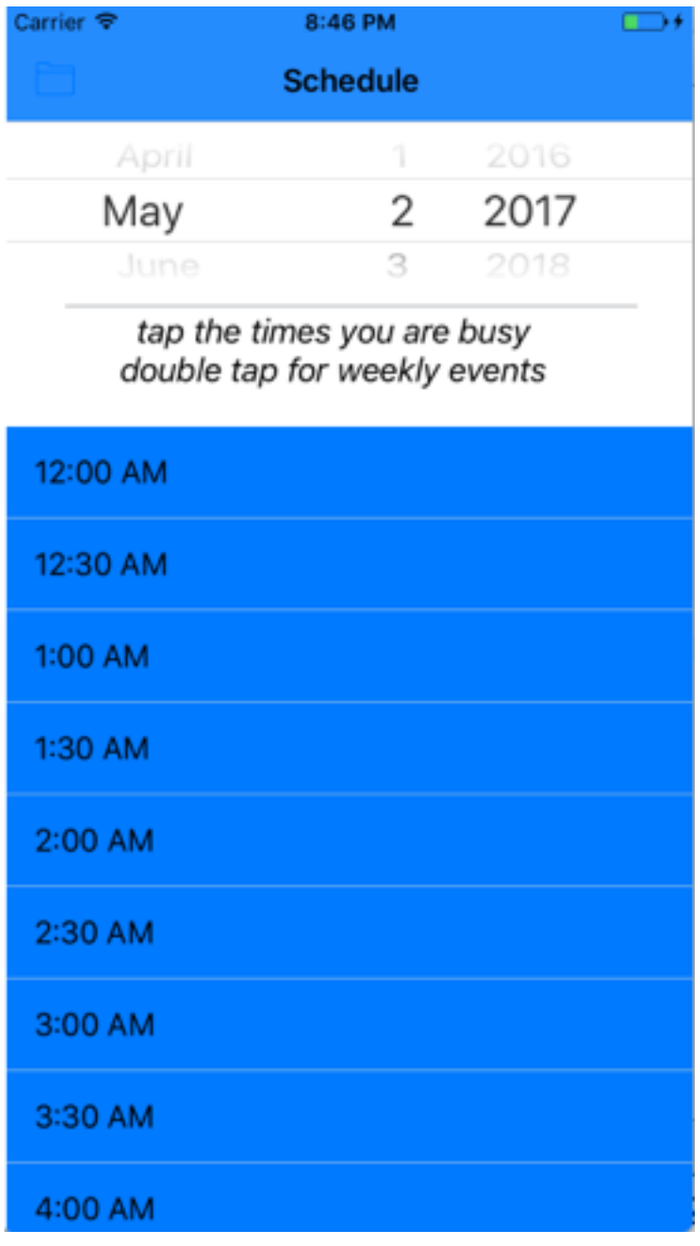

This screen is where the user will input the times they are busy. They will do so by single clicking all the times they are not free on a certain day, and double clicking the times he or she will be busy on that particular day of the week recurring every week. The date picker at the top of the screen is used to select the day for which the user is inputting his or her schedule. The button in the top left corner will navigate to the menu of features. This is the first screen when the user logs in, and is navigated to by clicking the ‘Input Schedule’ button on the menu screen.

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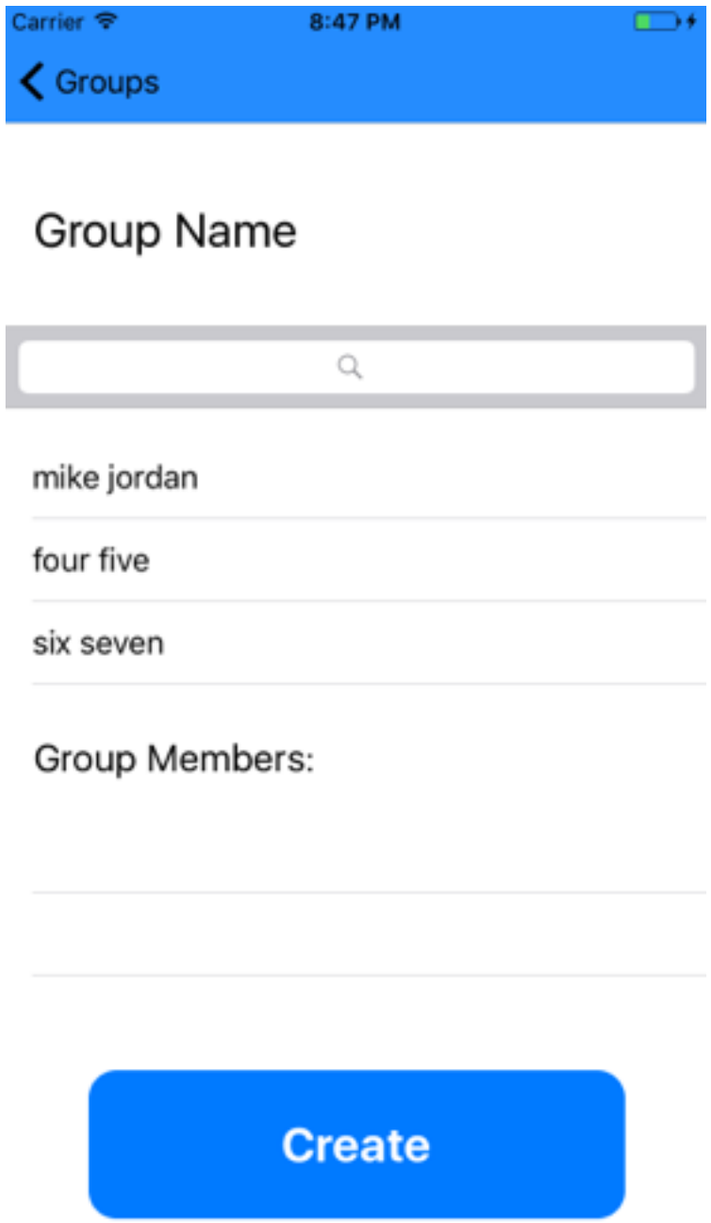

This is the screen that is navigated to by the ‘+’ button on the Groups page. To create a group the user must fill in a group name. To add members to the group a user will search for friends by first and last name, and click on their name to add them to the group. A list on the people added to a group will show up near the bottom of the screen. When finished adding people to a group the user will click the ‘Create’ button, which will navigate the user back to the Groups page.

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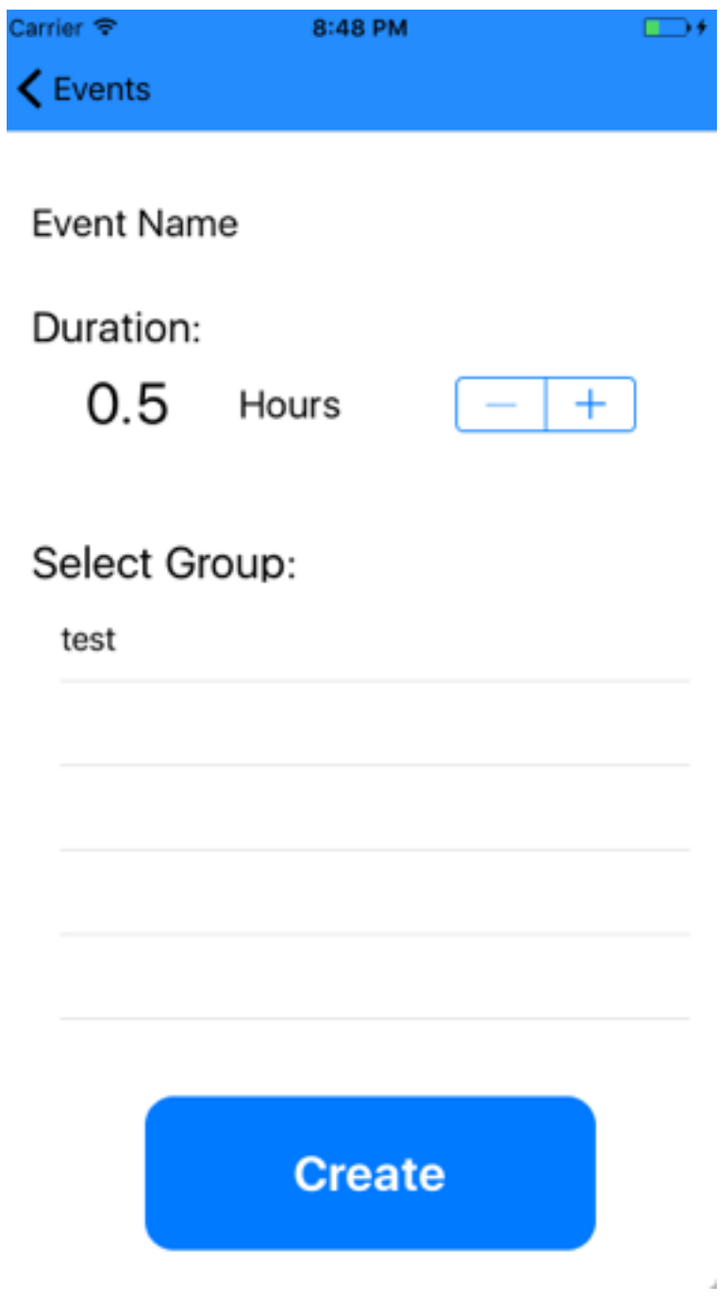

This is the screen that is navigated to by the ‘+’ button on the Events page. To create an event the user must fill in an event name, and select the how long they will want the event to last. The user will choose which group of friends for the event to find free times. Once the user has set a name, set a time, and chosen a group, the user will click the ‘Create’ button, which will navigate the user back to the Events page.

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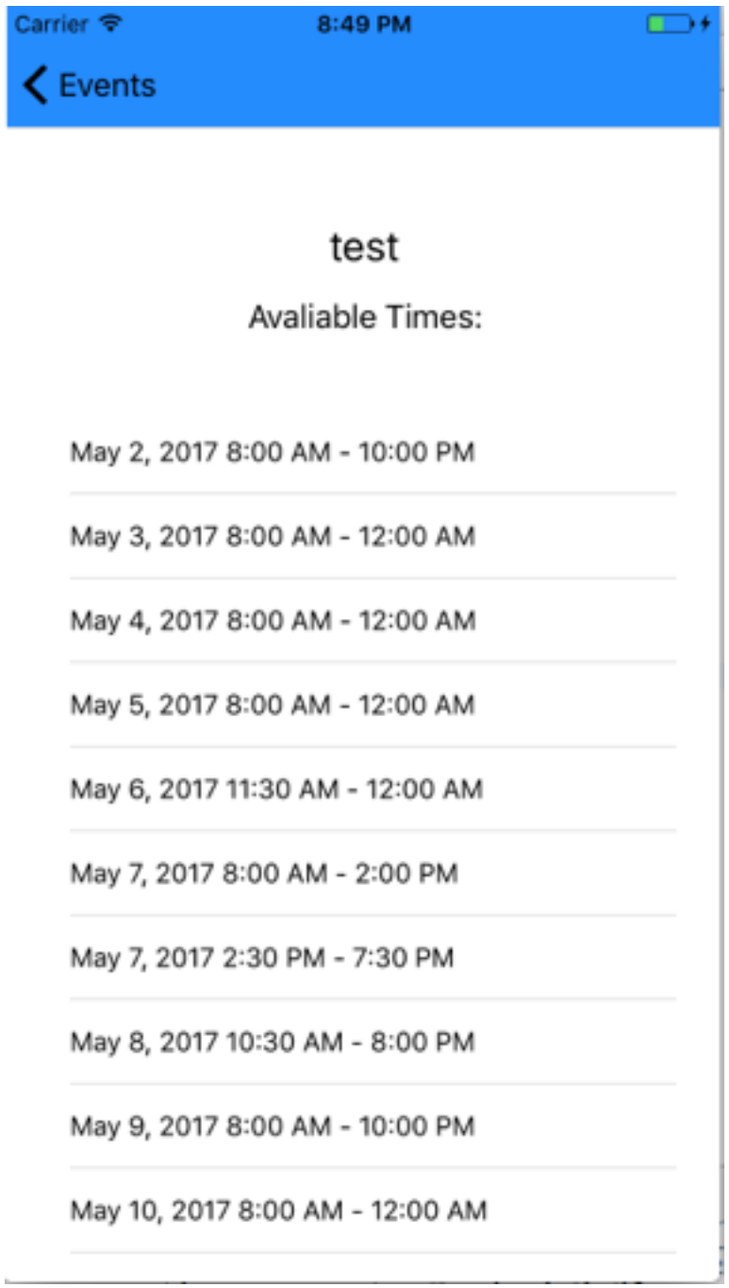

This screen is the event detail view screen and gives the output of intersecting all group members' schedules when an event is created. The times displayed are the longest consecutive periods of time that are free for the group and at least as long as the given event duration.

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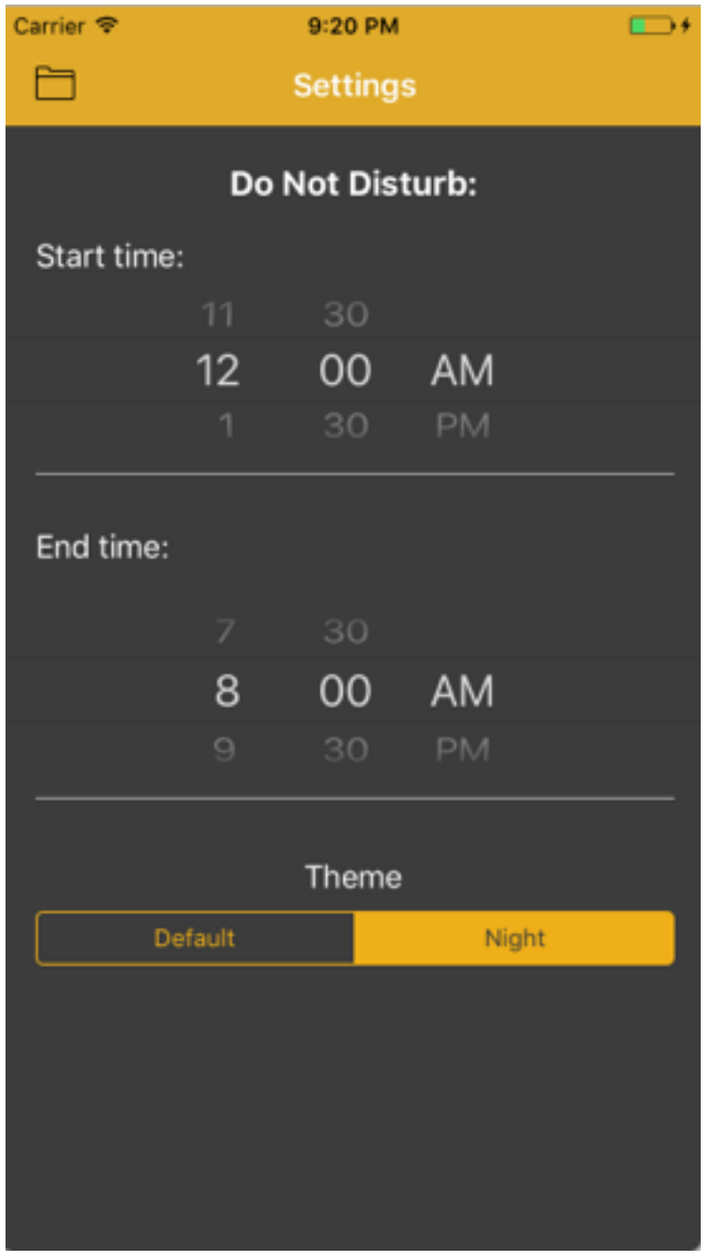

This is the settings page, navigated to by way of the ‘Settings’ button on the menu. Here the user can update the start and end times of his or her do not disturb settings, which marks the user busy in-between the two given times. The user can also change between the default theme colors and the night theme colors here. The user can navigate back to the menu by clicking the button in the top left.

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Demo!

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Any Questions?