Project Proposal Form
.Hack Enrichment Application Programme (HEAP) 2023

<< For inspiration/ideas, sample problem statements can be found here: smu.sg/HEAPProblemStatements >>

<Please bold team leader name>

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You may edit the *italicised sections* accordingly.

Application Name

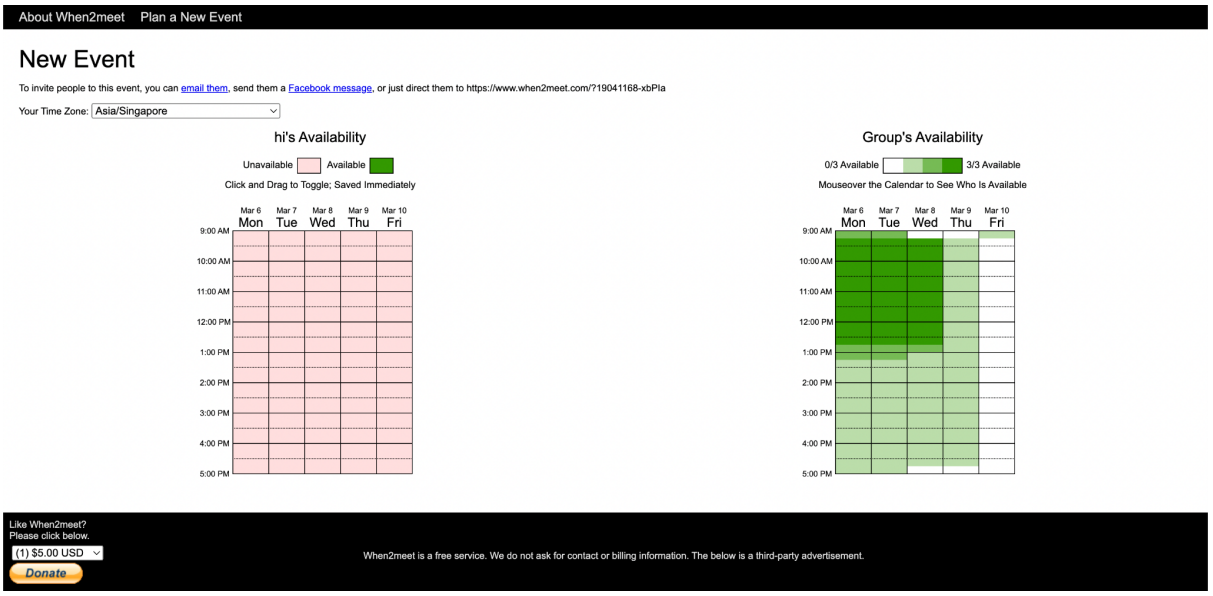
MeetnGo

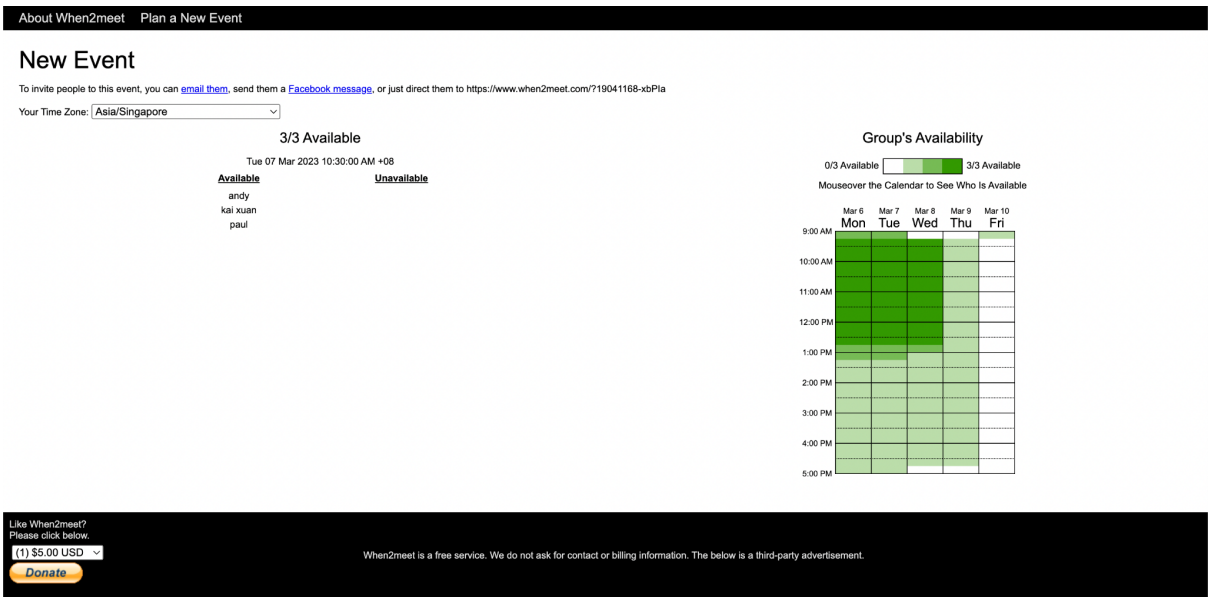
Type

Web application

Motivation/Problem

Currently there is an application for meeting scheduler called When2Meet which allows users to find a common time slot to meet.





While convenient due to the unique link generated for each event, there are certain issues we encountered when using the app.

Examples

1. Drag and select features for date and time is cumbersome and has low readability, especially on mobile devices.
2. Unattractive user interface
3. A bug we found: cannot have 2 people with the same name fit their schedule under the same link.

What does your project set out to accomplish?

We hope to create a more user friendly application that has better integration with existing applications and more features to increase convenience.

Examples

1. Use username and password / google account to ensure unique users.
2. Google calendar integration (auto fill block out dates feature)
3. Make website mobile responsive
4. Implement auto recommendation for meeting time. If the event creator confirms, can be auto added to your calendar.
5. Change the scaled green colour scheme to a more visually intuitive spread.

Who are your target audience?

Students and adults who have a hard time trying to find a common meeting time slot.

User Stories (optional)

[Please describe what the users would be able to do with your system. This list can be updated further during the course of the project.]

As a user of the application, I want to create an event based on my friend’s availability so that I can find the common date and time we have and arrange a day for the event.

As a user of the application, I want to be able to sync it to my google calendar so that I can track my upcoming events easily.

As a user of the application, I want to be able to use my application on both my computer and phone so that I can use it on the go.

Features

[Please list down some key features of your system. **Fill in at least 1 feature.** This list can be updated further during the course of the project.]

1. Allow users to create events.
    a. Users can key in an event name and select a list of dates of interest. A unique link will be generated for this event.
    b. These dates will then be available for participants to fill in their availability.

2. Allow users to key in their available dates based on event link.
    a. Displays available dates as a list of days with a time range specified for each day as seen in the screenshots above.
    b. Users can then use drag and drop to select their available timings. The buttons will be big enough such that this function can be easily used in the mobile version as well.
    c. They also have the option of using their linked google calendar to auto-fill their available timings. These auto-filled options can be edited.

3. Auto-recommendation of best timing(s)
    a. After all participants have filled in their availability, the web app will generate the meeting time slot where everyone is free, or where the most number of people are free.
    b. When the event creator checks the event again, a pop-up will be generated.

Tech Stack (optional)

[Please list down the technologies (e.g. languages, frameworks, APIs) that you are planning to use. This list can be updated further during the course of the project.]

1. HTML
2. CSS
3. Javascript
4. Google API
5. MySQL for database storage
6. Github for deployment

Qualifications

[To help us match your team to a suitable mentor, please summarise briefly your current technical skills and project experience of your team.]

Name	Qualifications
Lynette Jean Tay	Javascript, Java, React, Python, MySQL, PHP, HTML, ReactJS, ASP.net, C# (a bit), CSS (knows full stack from poly)
Paul Bryant Madhavan	Python, MySQL, PHP, HTML
Tan Kai Xuan	Python, MySQL, PHP, HTML
Andy Tan	Python, MySQL, PHP, HTML
Chen Wen Han	Python, MySQL, PHP, HTML