Revised Project Proposal

Team Int\_Elligence

Chandana Priya Gandikota

Jiayi Wang

Sai Srujan Chinta

Varun Chanddra

# Part 0

Language

Python

Platform

Linux

API

Google Map API

<https://developers.google.com/maps/documentation/>

Google Calendar API

<https://developers.google.com/calendar/>

Data Storage

SQLite

# Summary

Meeting Scheduler, is a desktop application with the purpose of reducing the woes in setting up meetings and recording the progress. The application helps in charting up meetings while being considerate to each of the participant’s personal schedules. It also serves as a mean to record the sessions in terms of the progress or proposals put forth or even noting the decisions made during the meetings. The ultimate aim of this application is to trivialise the process of organizing any kind of meetings, be it formal, informal, personal or educational.

Meeting Scheduler uses each participant’s itinerary to provide a set of optimal times to convene the meeting and lets the convener decide the time and duration of a meeting. The coordinator of the meeting would be able to take notes or attach data for a particular meeting to record the session. Thus, with an organized history containing the details of each sessions, the coordinator would be able to retrieve or generate reports of the meetings.

Meeting Scheduler would allow a single person to organize separate meetings for various groups, while maintaining the data for each group individually. A person responsible for managing various teams would be able to convene meetings for different groups and capture the data for each group and each meeting in one place; accessible privately for him/her at any time, anywhere.

# User Stories

## Account

Create Account: As a user, I want to be able to create an account  
so that I can sync my schedule and use the system. My conditions of  
satisfaction are that system stores my basic profile information, suggest available usernames and allow me to set a login password.

Sign In: As an authorized user, I want to be able to log-in to my account so that I can access, update my information, find upcoming meetings, schedule new meetings, find best time slot for the meeting and get comprehensive report on things covered. My condition of satisfaction are that the system asks for my login credentials (user name, password) and allow me in on valid entries.

Forgot-password: As a registered user, I want to be able to reset my password so that I can I don’t have to fear the loss of credentials. My condition of satisfaction is the system should send me link for password reset to my emaiI provided at the time of registration.

Create groups: As event host/ participant, I want to be able to create new groups for people attending same events/meetings and allow sharing of information within that group. My condition of satisfaction is that I should be able to search for people (based on their usernames) and add them to a new group.

## Location, Check in

Location: As a user, I want to be able to access the location of a particular meeting so as to be prepared for it. My conditions of satisfaction is that the system should show me a map location for the meeting venue.

Directions: As a user, I want to be able to search for directions to a meeting place from my current location so that I can easily get to the venue.

Check-in: As a meeting host/attendee, I want to be able to check-in as soon as I show up in a meeting in order to keep track of all the participants’ attendance and for personal record My condition of satisfaction that I am either provided with an option to manually check-in or the system automatically checks-in (based on my current location) and update that info in the system.

## Scheduling (manual input time, import from google calendar)

Scheduling (from user perspective): As a user, I want to be able to schedule a meeting as per my convenience so that I can prepare for the meeting accordingly. My conditions of satisfaction are being able to: toggle between manual input and automatic import from my google calendar~~,~~.

Scheduling (from user perspective): As a user, I want to be able to schedule a meeting as per my convenience so that I can prepare for the meeting accordingly. My conditions of satisfaction are being able to: update my available timings prior to the deadline set by the meeting organiser~~,~~.

Scheduling (from user perspective): As a user, I want to be able to schedule a meeting as per my convenience so that I can prepare for the meeting accordingly. My conditions of satisfaction are being able to: set restrictions on meeting timings even in the case of import from google calendar~~,~~.

Scheduling (from user perspective): As a user, I want to be able to schedule a meeting as per my convenience so that I can prepare for the meeting accordingly. My conditions of satisfaction are being able to: vote on available locations for the meeting if this option is made available.

Scheduling (from organiser perspective): As an organiser, I want to be able to schedule a meeting as per the convenience of all the attendees so that everyone is informed beforehand about the meeting. My conditions for satisfaction are being able to: set a deadline beyond which no changes can be made to the available timings of the attendees~~,~~.

Scheduling (from organiser perspective): As an organiser, I want to be able to schedule a meeting as per the convenience of all the attendees so that everyone is informed beforehand about the meeting. My conditions for satisfaction are being able to: set general restrictions on the meeting timings such as no meeting after 9:00pm~~,~~.

Scheduling (from organiser perspective): As an organiser, I want to be able to schedule a meeting as per the convenience of all the attendees so that everyone is informed beforehand about the meeting. My conditions for satisfaction are being able to: toggle between taking a consensus on a list of locations for the meeting and enforcing a particular location for the meeting~~,~~ and being able to bypass rules in case of emergency meetings.

## Wishlist

### Topics, to-do, notes

Todo List: As a user, I want to be able to create todo list for specific meeting sessions so that I can use our meeting time more efficiently. My conditions of satisfaction are creating, reading, updating, deleting tasks and setting tasks as completed*.*

Note Taking: As a user, I want to be able to take notes for a meeting so that I can write down ideas that the team can further explore after the meeting. My conditions of satisfaction are writing, deleting and editing notes, use speech recognition to take down notes.

### Automatically generate report, send notifications when changes are made

Report Generation: As a user, I want to generate reports on meetings automatically so that I can keep track of the team’s progress. My conditions of satisfaction are generate reports with template, create weekly, monthly and semester long reports.

Notifications: As a user, I want to be notified if meeting location or time changes for a meeting so that I won’t miss any meetings. My conditions of satisfaction are sending out emails to all group members when location or time changes.

# Acceptance Testing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| User Story | Rule | Given | When | Then |
| Create Account | Does not accept duplicate usernames | Database contains user “ABC1234” | User types “ABC123” as username and “123456789” as password | New user with username “ABC123” is created and stored into the database  AND  User “ABC123” is logged into the account |
|  |  | Database contains user “ABC1234” | User types “ABC1234” as username and “123456789” as password | No new user is created |
| Sign in | Username and password must match to sign into the account | Database contains user “ABC1234” with password “123456789” | User types “ABC123” as username and “123456789” as password | Sign in is not authorized  AND  Prompt user to re-enter username and password |
|  |  | Database contains user “ABC1234” with password “123456789” | User types “ABC1234” as username and “123456789” as password | Sign in is authorized  AND  User dashboard is shown |
| Forgot password | Must enter existing username | Database contains user “ABC1234” with password “123456789” and email “ABC@gmail.com” | User types “ABC123” as username to retrieve password | No user account matches the username  AND  No email is sent |
|  |  | Database contains user “ABC1234” with password “123456789” and email “ABC@gmail.com” | User types “ABC123” as username to retrieve password | Password “123456789” is sent to the email address “ABC@gmail.com” |
| Create Groups  (Organizer) | User creates a group and sends invitation to the attendees. | User creates a group and adds a list of attendees using their IDs. | User enters all valid user names | A group is created with the given users as participants and invitations are sent out to them. |
|  |  | User creates a group and adds a list of attendees using their IDs. | User enters one or more invalid IDs | Group is not created and no invitations are sent out |
| Create Groups  (Participant) | User is prompted to respond to the invitation by selecting yes/no | User has an invitation | User responds to the invitation prompt by selecting his/her response | User is added to the group if he/she responds with a ‘Yes’. |
| Location | User must be able to see location information of a given event | User is a member of the event “A” with location at “Mudd Building CS Lounge” | User clicks on location information of event “A” | “Mudd Building CS Lounge” is shown  AND  The location is pinned on a map |
|  |  | User is a member of the event “A” with no location information | User clicks on location information of event “A” | Warn user that no location information is given  AND  Prompt user to enter location information |
| Direction | User must be able to see the direction from current location to meeting location | User is a member of the event “A” with location at “Mudd Building CS Lounge” | User clicks on direction button of event “A” location | Google Map is shown and direction from user location to meeting location is labeled on the map |
|  |  |  |  |  |
| Check-in | Meeting member must be able to check-in at meeting location | User is a member of the event “A” with location at “Mudd Building CS Lounge” | User is at “Mudd Building CS Lounge” and clicks on check-in button | User is checked into event “A” |
|  |  | User is a member of the event “A” with location at “Mudd Building CS Lounge” | User is at “Times Square” and clicks on check-in button | User check-in is not authorized  And  User is advised to go to “Mudd Building CS Lounge” |
| Scheduling (user) | User must be able to manually input schedule | User is signed into user “ABC1234” | User marks Monday 10am - 12pm as free | Monday 10am - 12pm is stored as available meeting time for user “ABC1234” |
|  | User must be able to import google calendar | User is signed into user “ABC1234” and has access to gmail “[ABC@gmail.com](mailto:ABC@gmail.com)” with password “12345” where no event is scheduled between Monday 10am-12pm | User clicks “import from google calendar” button and types in gmail “[ABC@gmail.com](mailto:ABC@gmail.com)” with password “12345” | Google calendar information of account “[ABC@gmail.com](mailto:ABC@gmail.com)” is stored into the database  AND Monday 10am - 12pm is stored as available meeting time for user “ABC1234” |
| Scheduling (organizer) | Set deadline for information change | Current date and time is Jan 10th, 12pm | User set deadline for information change to be Jan 10th, 10am and wants to change meeting time from “Jan 12th” to “Jan 13th” | Change of time is not authorized |
|  |  | Current date and time is Jan 10th, 9am | User set deadline for information change to be Jan 10th, 10am and wants to change meeting time from “Jan 12th” to “Jan 13th” | Change of time is authorized  AND  New meeting time is “Jan 13th” |
|  | Set Restrictions on meeting time | Meeting time rule is set to be Mondays to Fridays, “9am - 9pm” | User want to choose Monday 10am-11am as meeting time | Change of time is authorized  AND  Meeting time is set to be “Monday 10am-11am” |
|  |  | Meeting time rule is set to be Mondays to Fridays, “9am - 9pm” | User want to choose Monday 8am-9am as meeting time | Change of time is not authorized |