Schedule It

Team 20, Will Johnston, Kyle Burke, Craig Ruble, Ryan Everett

PROBLEM STATEMENT:

This project will help address the complexities of coordinating and finding events. Although it is straightforward to keep track of one's own calendar, difficulties ensue when creating a meeting time that fits everyone's schedule, discovering who all plans on attending, reminding attendees about the event, and finding an easy way to communicate about an event. This application will focus on amending these issues by use of a chatBot. Additionally, time permitting, Schedule It will help users find public events near them, helping users stay social and keep up with their community. An appealing aspect of this application is that each user will be able to participate in multiple groups. This allows the user to see the whole picture of his or her daily schedule. The application will be similar to Facebook and Skype in that you can join multiple groups and chat within them. Also, the application will be similar to Doodle because you can create and schedule events within both.

BACKGROUND INFORMATION:

There are applications that are similar to parts of our project but none that incorporate every aspect. With Facebook and Doodle, you can create events at a specified time but it can be hard to find a time that works for everyone. Schedule it will suggest a time for you based on when the members of the group are free. Also, Facebook will only allow you to create a public event where anyone can see it or a private event where you must manually invite individuals. Schedule It's events will work within a group so all members of a group can decide if they're going or not. Sometime in our busy life you miss out on nearby events which is why Schedule It will show nearby events and allow you to decide if you would like to go.

BACKLOG:

Functional:
1. As a user, I want to create an account
2. As a user, I want to log in to my account
3. As a user, I want to reset my account password
4. As a user, I want to create a profile picture
5. As a user, I want to add friends
6. As a user, I want to delete friends
7. As a user, I want to create a group
8. As a user, I want to add friends to a group
9. As a user, I want to join groups I've been invited to
10. As a user, I want to leave groups
11. As a developer, I want to notify users of invites
12. As a developer, I want to show users a personal calendar
13. As a developer, I want to notify users of upcoming events

14. As a user, I want to toggle on/off notifications for event reminders and group invites
15. As a user, I want to create a personal event
16. As a user, I want to set a time and description of the event
17. As a group member, I want to create an event
18. As the group creator, I want to be able to give other users admin permissions as well as remove them
19. As an admin, I want to have the ability to move group event dates
20. As an admin, I want to be able to remove group events when necessary through a message to the group
21. As an admin, I want to be able to remove a normal user's ability to create events when necessary
22. As a group member, I want to add a strict time to the event
23. As a developer, I want to suggest a time for the event based on group member schedules
24. As a group member, I want to accept, decline, or "on the fence" an event
25. As a developer, I want to adjust a user's calendar based on events he/she is attending
26. As a developer, I want to point out schedule conflicts that could arise upon accepting events
27. As a group member, I want to chat about the event
28. As a group member, I want to add an emoji to a chat
29. As a group member, I want to add a gif to the chat
30. As a developer, I want to encrypt chat messages for security
31. As a group member, I want to reschedule an event
32. As a developer, I want to create voting system for rescheduling
33. As a user, I would to be able to schedule a group event from a message to the group
34. As a user, I want to be able to see all scheduling keywords by typing the assigned key
35. As a user, I want to add personal events to my calendar.

Time permitting:
 37. As a user, I want to set a group to private or public
 38. As a user, I want to find public events near me
 39. As a developer, I want to look through eventbrite and/or ticketmaster and suggest events to users

Nonfunctional:
1. Must be able to store account information on the backend server.
2. Must be able to access information from backend server in 3 seconds maximum.
3. Must be a desktop application.
4. Must securely manage account information.
5. Must securely manage group chat.
6. Shoot for downtime of 5 hours a month, maximum for potential backend maintenance.
7. Must be simple and intuitive to use

8. Frontend should be visually appealing