

The project would be an event planning web-application for personal and professional use. With everyone's busy schedules, it's often difficult to coordinate a time and/or place where everyone can meet whether it's just for dinner on a Friday night with friends or an office luncheon for employees. As of now, there's no feature embedded into emailing services like Outlook or Gmail or messaging services iMessage or Whatsapp that makes it easier to coordinate and communicate event dates and times with people. This would be directed at a variety of people. Anyone would find use from the application, including employees working in a large company or a small business, a group of friends trying to connect after many years apart or a group of college students trying to find a time to study together. It could even be used by schools to help determine a time for parent meetings or by professors trying to find what office hours would work best for their students. The possibilities are endless.

The features will be able to be customized for the user, but they are best explained with an example. For a group of college students trying to plan for a dinner together, a user can create an "event" on the app and add members of the group that are meeting from the contacts on their phone. These members will then be notified of their invitation into the group and, once they accept it, everyone will be able to go in and enter the most convenient times for them to have dinner and maybe even a few restaurants they would like to go to. From there on, the app will be able to analyze all the entries of times and locations of the restaurants to offer the group the best options that takes into account everyone's availability and choices. This process often takes place over text, and there is a lot of back and forth that has to happen before a time and place can be determined. The larger the group, the more difficult it gets. The app will do the hard work for the group and save them the hassle of selecting a time and place themselves.

For the backend of the web application, C++ will be used. On the web frontend, we'll be using a combination of HTML, CSS, and JavaScript. We will utilize Github for ease of working together. Additionally, we'll be using Visual Studio Code as our editor because it's fairly easy to set up and use and has many features that will help us write and debug our code.