Design Decisions

- Moved the Search classes from the gateway classes to their own handler package. This allows the Search classes to be more reusable and better encapsulated.
- Made the Search classes independent of the SimilarityScore algorithm they use. This improved the open-closedness of the program and made the Search functionality more encapsulated, reusable and easily extendable.
- Delegated the responsibility of taking user input and printing menu options and all other printing tasks to the presenters. This allows the controllers to be more encapsulated and completely independent of the type of presenter being used, improving their open-closedness and allowing them to be reusable with any type of presenter. This design decision also allowed all the dependencies related to printing and taking user input to be encapsulated into one package, reducing code coupling and improving the entire program's open-closedness.
- Added a messaging functionality. Users can now send each other messages and receiver messages from other users. This messaging system is similar to emails.
- Added an event functionality. Users can now create their own custom events with their own custom invite lists. Users can attend the events only if they are invited to it. The hosts can change the status of the events. All events must be approved by admins.