

Design:

Login & Register:

In ui package, Login Activity and Register Activity is responsible for login and register, once login button or register button is pressed, we use AsyncTask to send HTTP POST request to our server to check whether email and password matches or to store a new user's information.

Info(Activities):

Info section is shown by the fragment called ActivitiesFragment in ui package. This fragment is attached to MainActivity in ui package when "Info" is pressed. MainActivity is responsible for navigation bar at the bottom. ActivitiesFragment uses PostAdapter in adapter package and PostQuickView in model package to fill the ListView of posts. NewPostActivity and ViewPostActivity in ui package are used to write new posts, view post and reply one post. Reply in model package is used for modelling reply.

Email:

MailSetUpActivity is used when this is the first time for the user to login into his Andrew mailbox to config mail setting. After logging into user's Andrew email, MailMainActivity is called to show the toolbar at the top. MailDefaultBoxFragment is attached to this activity to show the default box content which is the inbox. When clicking one email, MailDetailActivity is called to show all details of this email. User could choose to forward this email using MailSendActivity. Also, user could write a new email by using this activity again.

Proxy package is used for storing some constants in this email section.

Chat room:

The chat information is wrapped by ChatMessage class. It has methods to get set chat message in a message package. The ui design of message is also wrapped in row_message.xml for display.

The MessageAdapter class is used to maintain the message that is sent by the user. It also determines whether the message is sent by the current user or user from other end point or from the system. This is the put different messages to different places in the screen. The self sent messages are put right, other users' messages are put left, system messages are put center.

In ui package, it contains the SimpleChatActivity that shows the ui screen on the app. It has two screens, the first one is the connect screen, the second one is the chat room screen. It makes decision based on the user action, connect, enter, leave...

Account:

Account section is shown by the fragment called PersonalFragment in ui package. This fragment is attached to MainActivity in ui package when “Account” is pressed. It is responsible for getting user’s information by sending requests to server. EditActivity in ui package is responsible for getting user’s new information and send it to the server.

Exception

Exception package is provided for exception handling.