| Habit | |
| --- | --- |
| Responsibilities  1.maintain information about a habit | Collaborators  Profile  MyHabitListActivity  AddEditHabitActivity  TodayPlanActivity  MyFollowerHabitActivity  OtherUserProfileActivity |

| Profile | |
| --- | --- |
| Responsibilities  1.maintain information about a user,  2.contains the unique habit list for unique users | Collaborators  LoginPageActivity  LoginAttentionFragment  SignUpPageActivity  SignUpAttentionFragment  MyProfilePageActivity  MyFollowerActivity  MyNotificationActivity  MyCommunityPageActivity  SearchUserFragment  OtherUserProfileActivity  RequestSentFragment |

| HabitEvent | |
| --- | --- |
| Responsibilities  1.maintain information about habit event | Collaborators  Habit  HabitEventActivity  AddEditHabitEventActivity |

| MainActivity | |
| --- | --- |
| Responsibilities  1.initialize the program | Collaborators  LoginPageActivity  Habit  Profile  HabitEvent |

| LoginPageActivity | |
| --- | --- |
| Responsibilities  1.ask a user to login with username and password or sign up an account | Collaborators  MainActivity |

| LoginAttentionFragment | |
| --- | --- |
| Responsibilities  1.prompt the user that he enters wrong username or password | Collaborators  LoginPageActivity |

| SignUpPageActivity | |
| --- | --- |
| Responsibilities  1.ask a user to sign up an account by providing username and password | Collaborators  LoginPageActivity |

| SignUpAttentionFragment | |
| --- | --- |
| Responsibilities  1.prompt the user that he enters existed username or two unmatched passwords | Collaborators  SignUpPageActivity |

| MyProfilePageActivity | |
| --- | --- |
| Responsibilities  1.ask a user to check his habits, his plan, his followers or his notifications | Collaborators  LoginPageActivity |

| MyHabitListActivity | |
| --- | --- |
| Responsibilities  1.the user can add, delete, edit his habits or check his habit events for a habit | Collaborators  MyProfilePageActivity |

| AddEditHabitActivity | |
| --- | --- |
| Responsibilities  1.ask the user to add a habit by providing title, description(reason), date to start or edit a habit | Collaborators  MyHabitListActivity  MyFollowerHabitActivity |

| HabitEventActivity | |
| --- | --- |
| Responsibilities  1.ask the user to check habit events for a habit,  2.edit an event,  3.add an event or  4.delete an event | Collaborators  MyHabitListActivity  TodayPlanActivity |

| AddEditHabitEventActivity | |
| --- | --- |
| Responsibilities  1.ask the user to add or edit a habit event by providing photograph, comment and locate geolocation | Collaborators  HabitEventActivity |

| TodayPlanActivity | |
| --- | --- |
| Responsibilities  1.show a list of today habits | Collaborators  MyProfilePageActivity |

| MyFollowerActivity | |
| --- | --- |
| Responsibilities  1.show a list of people the user followed | Collaborators  MyProfilePageActivity |

| MyFollowerHabitActivity | |
| --- | --- |
| Responsibilities  1.the user views the habits of someone his followed | Collaborators  MyFollowerActivity |

| MyNotificationActivity | |
| --- | --- |
| Responsibilities  1.show other users’ following requests | Collaborators  MyProfilePageActivity |

| MyCommunityPageActivity | |
| --- | --- |
| Responsibilities  1.show a list of people the user has searched | Collaborators  MyProfilePageActivity |

| SearchUserFragment | |
| --- | --- |
| Responsibilities  1.Search a user by providing username | Collaborators  MyCommunityPageActivity |

| OtherUserProfileActivity | |
| --- | --- |
| Responsibilities  1.show someone’s profile the user has searched | Collaborators  MyCommunityPageActivity |

| RequestSentFragment | |
| --- | --- |
| Responsibilities  1.show the user’s follow request has been sent to others | Collaborators  OtherUserProfileActivity |