

User

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| <ul style="list-style-type: none">ResponsibilitiesGets and sets the User ID (UID) of the current user | <ul style="list-style-type: none">Collaborators |
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Habit

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| <ul style="list-style-type: none">ResponsibilitiesInstantiate habit (Habit object) with attributes: title, reason, date to start, days habit performed, and the privacy settings (public/ private)Getters and setters for each property | <ul style="list-style-type: none">CollaboratorsUser |
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HabitInstance

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| <ul style="list-style-type: none">ResponsibilitiesStores user Id, habit ID, comment, date, location, photograph and duration of a specific habit event for a specific userGetters and setters for these properties | <ul style="list-style-type: none">CollaboratorsHabitUser |
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LoginActivity

AppCompatActivity

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| <ul style="list-style-type: none">ResponsibilitesAuthenticates userFacilitates user sign in using email as unique sourceReset password option | <ul style="list-style-type: none">CollaboratorsRegisterHomeUser |
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RegisterActivity		AppCompatActivity
<ul style="list-style-type: none">• Responsibilities• Takes input of email, password, first name, and last name to create user profile• Updates firebase with newly created user• Checks uniqueness of email		<ul style="list-style-type: none">• Collaborators• Login• User

HomeActivity		AppCompatActivity
<ul style="list-style-type: none">• Responsibilities• Shows list of all habits (Habit object) of current user• User can add new habit (title, reason, privacy, date started, weekdays habit recurs) (AddHabitFragment)• User can view/edit existing habit (ViewEditHabitFragment)• User can delete habit• User can reorder habit in list• User can sign out of account• User can delete account• Display for each habit: habit title, habit reason, privacy status date started, habit tag• Other users can view public habits of the user as long as they follow them• Navigation bar at bottom allows user to switch to calendar, forum, and notification activities		<ul style="list-style-type: none">• Collaborators• User• Habit• ForumPost

CalendarActivity		AppCompatActivity
<ul style="list-style-type: none">• Responsibilities• Displays to do list of habits (habit object) planned for that day• User can share a public habit instance to the forum• Can only add events of habits that are chosen in home• User can click on habit in list to add an habit event (comment, date, duration, photograph, and location)• Allows the user to choose/ search their location by opening a map within the app, default location is current user location• Allows the user to add a photograph by opening a camera within the app or using gallery• Displays tasks (habit events) (habit instance object) that are completed for current day• User can go back through calendar picker and see previous to do list of habits and completed habit events• Navigation bar at bottom allows user to switch to calendar, forum, and notification activities		<ul style="list-style-type: none">• Collaborators• User• Habit• HabitInstance• MapFragment• CameraActivity

ForumManagerActivity	
<ul style="list-style-type: none">• Responsibilities• Display public habit instances (Habit instance) that user has chosen to share• User can see posts of other users they follow	<ul style="list-style-type: none">• Collaborators• ForumPost• User• HabitInstance

ForumPost	
<ul style="list-style-type: none"> Responsibilities Contains a habit instance's location, photograph, and comment Controls who can see the post (only followers) 	<ul style="list-style-type: none"> Collaborators ForumManagerActivity User Habit Instance

MapFragment	
<ul style="list-style-type: none"> Responsibilities Allows the user to choose the location of their habit event 	<ul style="list-style-type: none"> Collaborators HabitInstance CalendarActivity

CameraActivity	
<ul style="list-style-type: none"> Allows the user to take a picture for a specific habit event 	<ul style="list-style-type: none"> CalendarActivity HabitInstance

AddHabitEventFragment		DialogFragment
<ul style="list-style-type: none"> Responsibilities Lets the user add a habit instance object to their habit list in calendar Can only add events of habits that are chosen in home Habit event contains the attributes: location, date, user ID, Habit ID, Habit instance ID, comment, photograph. 	<ul style="list-style-type: none"> Collaborators CalendarActivity Habit HabitInstance User 	

AddHabitFragment		DialogFragment
<ul style="list-style-type: none">ResponsibilitiesLets the user add a habit object to their habit list in HomeHabit event contains the attributes: location, date, user ID, Habit ID, Habit instance ID, comment, photograph.		<ul style="list-style-type: none">CollaboratorsHomeUserHabitHabitInstance

CompletedEventsListAdapter		ArrayAdapter<HabitInstance>
<ul style="list-style-type: none">ResponsibilitiesSets the view of completed habit events in calendar		<ul style="list-style-type: none">CollaboratorsCalendarActivityHabitInstance

DatePickerCalendar		DialogFragment
<ul style="list-style-type: none">ResponsibilitiesLets the user pick a date for a habit instance in calendar		<ul style="list-style-type: none">CollaboratorsCalendarActivityHabitInstance

DatePickerFragment		DialogFragment
<ul style="list-style-type: none">ResponsibilitiesLets the user pick a date for a habit in Home		<ul style="list-style-type: none">CollaboratorsHomeActivityHabit

DeleteHabitFragment		DialogFragment
<ul style="list-style-type: none">ResponsibilitiesLets the user delete a habit in Home		<ul style="list-style-type: none">CollaboratorsHomeActivityHabit

EditHabitEventFragment		DialogFragment
<ul style="list-style-type: none">ResponsibilitiesLets the user edit a habit event in Calendar		<ul style="list-style-type: none">CollaboratorsCalendarActivityHabitInstanceHabitUser

HabitListAdapter		ArrayAdapter<Habit>
<ul style="list-style-type: none">ResponsibilitiesDisplays habit of a user in Home		<ul style="list-style-type: none">CollaboratorsHomeActivityHabit

ToDoEventsListAdapter		ArrayAdapter<Habit>
<ul style="list-style-type: none">ResponsibilitiesDisplays the list of habit events that are to be done on the same day in Calendar		<ul style="list-style-type: none">CollaboratorsCalendarActivityHabitInstance

ViewEditHabitFragment		DialogFragment
<ul style="list-style-type: none">• Responsibilities• Lets the user view a habit's details in Home		<ul style="list-style-type: none">• Collaborators• HomeActivity• User• Habit• HabitInstance