

Login Manager	
Responsibilities	Collaborators
Stores login information such as username and password Allow users to log in and log out. Allow users to sign up Allows admins to login in and log out	User FirestoreDatabase

Administrator	
Responsibilities	Collaborators
can edit image size upload(e.g. 65536 bytes)	MoodEvent User

Mood Event	
Responsibilities	Collaborators
<ul style="list-style-type: none">Store mood details (emotional state, timestamp, optional trigger, social situation)Store photographdelete a given mood event	User MoodHistoryList

User	
Responsibilities	Collaborators
Have a unique username manage own mood history follow other users and see their mood event	Mood Event Mood History List Following

Mood History List	
Responsibilities	Collaborators
<ul style="list-style-type: none">Displays users mood eventsFilter there moods by using keywords or setting a filter on their historyNavigate to the following pages such as user profile, follower request, mood events from there friends and the location of there friend's mood events	<ul style="list-style-type: none">Mood EventUserFollowingLocation ServiceOffline BehaviorAdditional Filters

Location Service	
Responsibilities	Collaborators
Display mood event on map filter and display: <ol style="list-style-type: none">mood history event with locationfollowed mood event with loactionmood event within 5km of the user's loction	MoodEvent MoodHistoryList Following

Offline Behavior	
Responsibilities	Collaborators
Allow adding, editing, and deleting mood events while offline. changes synchronized once the user gets connectivity	User MoodEvent MoodHistoryList

Following	
Responsibilities	Collaborators
<ul style="list-style-type: none">Displays a list of users who sent a follow request and the ability to either accept or delete follow requestAllow users to request to follow another user's recent mood events.Display a list of followed mood eventsAllow filter by emotional state, time, text keyword	<ul style="list-style-type: none">Mood History ListUser

Additional Filters	
Responsibilities	Collaborators
<ul style="list-style-type: none">Ability to filter the user's mood events by date and mood type	<ul style="list-style-type: none">Mood History List