#### **US 01.01.01**

#### As a participant, I want to add a mood event to my mood history, each event with the current date and time, a required emotional state, optional trigger, and optional social situation.

Use Case Name AddMood

Participants(s): participant

Goal: The user can add moods to their mood history

Trigger: user chooses to add a mood

Precondition: participant registered for an account

Postcondition: User successfully adds a mood that is visible in their mood history

General Flow:

* Choose Add Mood
* Enter Details
* Save and return

Exceptions:

* Cannot add mood due to missing: emotional state.

Tests: can the users add moods to their mood history?

#### **US 01.02.01**

#### **As a participant, I want the emotional states to include at least: anger, confusion, disgust, fear, happiness, sadness, shame, and surprise.**

Use Case name: IncludeEmote

Participants(s): participant

Goal: include emotional states  
Trigger: user include emotional states when adding Mood

Precondition: user adding mood

Postcondition: emotional state added to Mood

General Flow:

* Choose add Mood
* Choose add Emo state
* Choose Emo state
* Post Mood

Exceptions:

* No emotional state chosen

Tests: can the users choose emotional states and include Mood when adding Mood?

#### **US 01.03.01**

#### **As a participant, I want consistent emoticons and colors to depict and distinguish the emotional states in any view.**

Use case name: SimilarEmote

Participants(s): participant

Goal: an Emo state stay identical in every view  
Trigger: switch view

Precondition: Emo state exists

Postcondition: After switching views, the emo state doesn’t change

General Flow:

* View some Mood with Emo state
* Switch view
* Emo state remain unchanged

Exceptions:

Tests: Can the users make Emo state be identical when they are viewing Moods?

#### **US 01.04.01**

#### **As a participant, I want to view a given mood event and all its available details.**

Use Case name: ViewMoodDetails

Participants(s): participant

Goal: the participant can view mood details  
Trigger: the participant selects a mood event in their mood history

Precondition: the mood event exists

Postcondition: a mood’s details is shown

General Flow:

* Choose a Mood
* Show details of that Mood

Exceptions:

* Empty mood list

Tests: do the users view a mood’s details?

#### **US 01.05.01**

#### **As a participant, I want to edit the details of a given mood event of mine.**

Use Case name: EditMoodDetails

Participants(s): participant

Goal: the participant can edit mood details  
Trigger: the participant selects a mood event in their mood history and chooses to edit

Precondition: the mood event exists

Postcondition: the mood is edited with new details

General Flow:

* Choose a Mood that belong to that participant
* Show details of that Mood
* Choose the option to modify the Mood
* Save and return

Exceptions:

Tests: can the users edit mood’s details and save it?

#### **US 01.06.01**

#### **As a participant, I want to delete a given mood event of mine.**

Use Case name: DeleteMoodDetails

Participants(s): participant

Goal: the participant can delete mood events  
Trigger: the participant selects a mood event in their mood history and chooses to delete

Precondition: the mood event exists

Postcondition: the mood event is deleted

General Flow:

* Choose a Mood that is the participant's
* Show detail of the mood
* Choose delete
* Return

Exceptions:

Tests: can the users choose a previous mood and delete it?

#### **US 02.01.01**

#### **As a participant, I want to express the reason why for a mood event using a brief textual explanation (no more than 20 characters or 3 words).**

Use case name: AddTextReason

Participants(s): participant

Goal: the participant can add a textual reason for their mood  
Trigger: participant edits their mood and chooses to add a textual reason

Precondition: the mood event exists

Postcondition: a textual reason for the mood is added

General Flow:

* Choose Add Mood
* Enter reasons in text box
* Save and return

Exceptions:

* Explanation exceeds 20 characters or 3 words

Tests: Can the users add a textual reason when adding mood?

#### **US 02.02.01 and US 02.03.01**

#### **As a participant, I want to express the reason why for a mood event using a photograph.**

#### **As a system administrator, I want the storage for each photographic image to be under 65536 bytes.**

Use case name: AddPhotographReason

Participants(s): participant

Goal: the participant can add a picture as the reason for their mood  
Trigger: participant edits their mood and chooses to add a photographic reason

Precondition: the mood event exists

Postcondition: a photographic reason for the mood is added

General Flow:

* Choose Add Mood
* Choose Add picture
* Pick Picture
* Save and return

Exceptions: image is not under 65536 bytes

Tests:Can the users add a picture as their reason for their mood?

#### 

Under exceptions for US 02.02.01

#### **US 02.04.01**

#### **As a participant, I want to specify the social situation for a mood event to be one of: alone, with one other person, with two to several people, or with a crowd.**

Use case name: AddSocialSituation

Participants(s): participant

Goal: the participant can add a social situation as the reason for their mood  
Trigger: participant edits their mood and chooses to add a social situation for their mood

Precondition: the mood event exists

Postcondition: a social situation for the mood is added

General Flow:

* Choose add Mood
* Choose social situation
* Choose a situation
* Save and return

Exceptions:

Tests: Can the users add a social situation as the reason for their mood?

#### **Profile**

#### **US 03.01.01**

#### **As a user, I want a profile with a unique username.**

Use case name: CreateProfile

Participants(s): user

Goal: the user can create a profile  
Trigger: participant chooses create a profile from the main screen

Precondition: the chosen username is unique

Postcondition: a profile is created

General Flow:

* On sign in screen, choose Sign Up
* Enter User name
* If User name is taken, show “This user already exist”
* If not show “This user is available”
* Finish Signing Up

Exceptions:

Username already taken

Tests: Can the app save user's’ profile and show it when users are trying sign up

#### **Mood History**

#### **US 04.01.01**

#### **As a participant, I want to view as a list my mood history, sorted by date and time, in reverse chronological order (most recent coming first).**

Use case name: ViewMoodList

Participants(s): participant

Goal: the participant can choose to view a list of post mood updates sorted in reverse chronological order.  
Trigger: users goes to mood history

Precondition: at least one mood exists

Postcondition: past moods are displayed in a list

General Flow:

* Choose the User Profile
* Mood history is shown in sorted order

Exceptions:

* No mood events exist

Tests: Can the app shows previous mood as a list in reverse chronological order.

#### **US 04.02.01**

#### **As a participant, I want to filter my mood history list to show only mood events that occurred in the most recent week.**

Use case name: filterMoodList

Participants(s): participant

Goal: change display of mood list such that it only shows mood events in a certain time frame  
Trigger: user views mood list and chooses to filter the results

Precondition: the users knows by which filter they want to sort the mood list

Postcondition: the displayed mood list is changed to show only moods in a certain time frame

General Flow:

1. Participant goes to view their mood history
2. Participant hits the filter button
3. Participant chooses time frames from a pop-up wheel
4. Participant his search button

Exceptions:

* No mood events exist

Tests:

#### **US 04.03.01**

#### **As a participant, I want to filter my mood history list to show only mood events with a particular emotional state.**

Use case name: filterMoodList

Participants(s): participant

Goal: filter the list such that only moods if a certain emotional state are displayed  
Trigger: user views mood history and chooses to filter result by emotional state

Precondition: user knows what emotional state they wish to search by

Postcondition: mood list displays only moods with a particular emotional state

General Flow:

* Go to their mood history
* Choose Filter
* Choose emo state
* A list of Mood is shown with the state

Exceptions:

* No mood event exists

Tests: Can the users filter their moods with specific Emo states.

#### **US 04.04.01**

#### **As a participant, I want to filter my mood history list to show only mood events whose reason why text contains a given word.**

Use case name: filterMoodList

Participants(s): participant

Goal: change displayed mood history list such that only moods with reasons that contain certain text are displayed  
Trigger: user views mood history and chooses to sort by a given word

Precondition: user knows which word they wish to filter by

Postcondition: displayed mood list is changed such that only moods that gave reasons containing the search text are shown.

General Flow:

* Go to their mood history
* Choose filter
* Enter words to find in Reason text box
* Choose Search

Exceptions:

* No mood event exists

Tests:

Does the filtered mood list contain the correct mood events?

#### **Mood Following and Sharing**

#### **US 05.01.01**

#### **As a participant, I want to ask another participant to follow their most recent mood event.**

Use case name: askPermission

Participants(s): participant

Goal: To ask another user to follow their most recent mood event  
Trigger:

Precondition: Participant has another participant's mood event

Postcondition: Participant successfully follows another participant's mood event

General Flow:

1. Participant chooses another participant’s mood event
2. Pop-up to send request to the other participant to allow permission
3. Participant is notified when a choice is made.

Exceptions:

Tests:

Did the other participant receive a follow request?

#### **US 05.02.01**

#### **As a participant, I want to grant another participant permission to follow my most recent mood event.**

Use case name: grantPermission

Participants(s): Participant

Goal: To grant another participant permission to follow most recent mood event  
Trigger:

Precondition: Another participant asks for permission

Postcondition: Participant can now follow your mood event

General Flow:

1. Notification or pop up to tell participant that another user wants permission for a particular mood event
2. Participant can choose yes or no to allow the participant to follow
3. Requesting participant is notified if they have permission or not.

Exceptions:

Tests:

Upon granting permission, is the other participant able to follow the current participants mood event?

#### **US 05.03.01**

#### **As a participant, I want to view as a list the most recent mood events of the participants I am granted to follow, sorted by date and time, in reverse chronological order (most recent coming first).**

Use case name: recentFollowedSorted

Participants(s): Participant

Goal: To view a list of most recent mood events of the participants that they are following, sorted by date and time, in reverse chronological order  
Trigger:

Precondition:

Postcondition: Participant can now view a list of mod recent modd events of the participants that they are following, sorted by date and time, in reverse chronological order.

General Flow:

1. Participant clicks the filter button
2. List is filtered by the requested parameters

Exceptions:

* No followed participants

Tests:

Does the filtered mood list contain the correct mood events?

#### **US 05.04.01**

#### **As a participant, I want to filter my mood following list to show only mood events that occurred in the most recent week.**

Use case name: recentWeekList

Participants(s): Participant

Goal: To filter mood list to show moods that happened in the most recent week  
Trigger:

Precondition: Participant has a list of moods

Postcondition:

General Flow:

1. Participant clicks the filter button
2. List is filtered by the requested parameters

Exceptions:

* No mood events exist

Tests:

Does the filtered mood list contain the correct mood events?

#### **US 05.05.01**

#### **As a participant, I want to filter my mood following list to show only mood events with a particular emotional state.**

Use case name: filterFollowByEmo

Participants(s): participant

Goal: To filter moods by a particular emotional state  
Trigger: Choose Filter and search

Precondition: There is a following list

Postcondition: List of moods are now filtered by that particular emotional state

General Flow:

* Choose filter
* Choose The Emo state
* Search

Exceptions:

* No mood events exist

Tests:

Does the filtered mood list contain the correct mood events?

#### **US 05.06.01**

#### **As a participant, I want to filter my mood following list to show only mood events whose reason why text contains a given word.**

Use case name: filterFollowByReason

Participants(s): Participant

Goal: User filters mood list to show matches from a certain word  
Trigger: Choose Filter, enter reason and search

Precondition: Following list exist

Postcondition: A list that satisfy the search is returned

General Flow:

* Choose Filter
* Enter words to search in Reason text box
* Search

Exceptions:

* No mood events exist

Tests:

Does the filtered mood list contain the correct mood events?

#### 

#### **Geolocation and Maps**

#### **US 06.01.01**

#### **As a participant, I want to optionally attach my current location to a mood event.**

Use case name: addLocation

Participants(s): participant

Goal: Add user’s current location attached to mood event  
Trigger: User selects option to attach current location

Precondition: Mood event exists and have access to user's current location

Postcondition: Current location attached to mood condition

General Flow:

* Choose Add Mood
* Choose Location
* Post the Mood

Exceptions:

* Location cannot be found (GPS?)

Tests:

Is the location the participants current location?

#### **US 06.02.01**

#### **As a participant, I want to see a map of the mood events (showing their emotional states) from my filtered mood history list (that have locations).**

Use case name: seeMapHistory

Participants(s): participant

Goal: To see a map that contains mood events, in the user’s mood history list, based on their location  
Trigger: User opens map and chooses to show moods from mood history list

Precondition:

Postcondition: Map containing mood events from mood history list at their respective locations are shown

General Flow:

* Choose Map
* Choose ‘my history’ option
* Map is shown with mood events from mood history list

Exceptions:

* No mood events exist with mapping

Tests:

Does the map contain all mood events from the filtered mood history list?

Doe the map contain mood events not from the filtered mood history list?

#### **US 06.03.01**

#### **As a participant, I want to see a map of the mood events (showing their emotional states and the username) from my filtered mood following list (that have locations).**

Use case name: SeeMapFollowing

Participants(s): participant

Goal: To show a map that contains mood events, in the user’s mood following list, based on their location  
Trigger: User opens maps and chooses to show moods from mood following list

Precondition: Want to see the map of Mood

Postcondition: Map containing mood events from mood following list at their respective locations are shown

General Flow:

* Choose Map
* Choose ‘following’ option
* Map is shown with mood event from following list

Return

Exceptions:

* No mood events exist with mapping

Tests:

Does the map contain all mood events from the filtered mood following list?

Doe the map contain mood events not from the filtered mood following list?

#### **US 06.04.01**

#### **As a participant, I want to see a map of the most recent mood event of every participant (showing their emotional states) if the event has a location and is within 5 km of my current location.**

Use case name: showMoodByMap

Participants(s): participant

Goal: Show Mood event that is recently posted and within 5km of current location by their posters (and their emo state if available) on map  
Trigger: Choose Map then choose Near Me

Precondition:

Postcondition: Map is shown with Moods satisfy the requirements

General Flow:

* Choose Map
* Choose ‘near me’ option
* Map is shown with mood event recently added within 5km

Exceptions:

* No mood events exist with mapping

Tests:

Do the mood events have a location?

Is the location 5km of our current location?

#### **Offline Behavior**

#### **US 07.01.01**

#### **As a participant, I want to add, edit, or delete a mood event while offline, and have any of these changes synchronized once I get connectivity.**

Use case name: UseOffline

Participants(s): participant

Goal: Modification made to mood event offline will be sent online when connected to internet  
Trigger: Obtained connection to internet

Precondition: Modified mood event offline

Postcondition: Modification synchronized

General Flow:

* Choose a Mood
* Choose Edit
* Prompt “Offline changes will take place when Online”
* Choose Save
* Return

Exceptions:

* ElasticSearch cannot save
* ElasticSearch cannot load

Tests:

When online, were the changes synchronized?