## **Software Requirement Specification**

Group members	Jacob Gray
	Chase LaRose
	Devin Veasna
	Austin Bickel
	Natalia Tondi
	Jenna Essex

#### 1. Project Description

The Mental Health Support App, Best Help, is designed to provide cost-effective tools that empower users to manage and address mental health challenges as they arise. It offers instant access to therapy and various mood-boosting coping mechanisms, ensuring users have immediate support when needed. The app also includes reminders for essential mental health practices, such as yoga, grounding exercises, hydration, nutrition, and taking breaks. Additionally, it features a directory of contact information for useful resources, including therapists, psychiatrists, and various medical services, making it a comprehensive tool for maintaining and improving mental well-being.

#### 2. Functional Requirements

FR01	The app must provide a mood tracker for the customer.
FR02	The app must provide the ability to schedule appointments and meet with a therapist.
FR03	The app must contain a list of mood-boosting coping mechanisms for the customer's mental well-being.
FR04	The app must have a profile interface to save and track the user's information
FR05	The app must have an emergency button if the customer has an urgent need
FR06	The app must have the customer's bank account linked to pay for therapy and app subscription
FR07	The app must have a sign-up and sign-in page upon opening the app (potentially face-id or pin) for customer use
FR08	The app must provide the ability to notify customers when they have appointments/activities/take medicine
FR09	The app must provide security measures to secure the patient data.
FR10	The app should be able to allow the customer to change therapists/reschedule appointments.
FR11	The app should be able to get a periodic (depending on the circumstance) health check with the customer
FR12	The app should be accessible to patients with any disability
FR13	The software manager must be able to maintain customer bank account information

# 3. Non-Functional Requirements

NFR01	The app must send confirmation emails with no latency greater than 5 minutes when haven't
	logged in a while or making purchases
NFR02	The app must handle at least 1000 concurrent users without performance degradation.
NFR03	User data, including reminders and therapy sessions, must be backed up every 24 hours to
	prevent loss.
NFR04	Sensitive information, such as therapist or psychiatrist contact details, should only be accessible
	to authenticated users.
NFR05	Support for multiple languages to ensure global usability.
NFR06	The app should support multiple time zones, ensuring reminders and therapy sessions are
	delivered at the correct time based on the user's location.
NFR07	The app must be accessible to everybody. It should provide alternative text for images and
	captions for audio-visual content.
NFR08	The app must be available 24/7 to provide constant support. Users should be able to access
	resources and services anytime, even during non-working hours
FRN	

## 4. Use Case Specification

<< Select **three** functional requirements and describe them in detail using use cases.>>

UC01 Name:	Bank Account Link
Description:	The software allows the manager to link customers' bank account information in order to pay for services and subscriptions.
Actor:	Manager
Entry	The actor selects the option to link a bank account
condition:	
Basic path:	The system presents the actor with the bank account linking screen containing: [PRO01]
	-The options:
	New Edit Cancel 2. The actor selects New [A01] [A02] 3. The system presents a screen for entering the customer's bank information containing: [PRO02] - Name (editable) - Routing number (editable) - Account number (editable) - Address (editable) - State (containing the list of US states) - The options: Confirm Back
	<ul> <li>4. The actor informs customer data and selects the Confirm option [A03]</li> <li>5. The system verifies if the information is valid [BR01] [BR02][BR03] [E01]</li> <li>6. The system includes the new customer</li> <li>7. The use case is concluded</li> <li>8. The system returns to the home screen</li> </ul>
Alternative	[A01] The actor selects the Edit option
paths:	1. The system presents a form for searching a customer
	account, considering for each customer [PRO03]: - Routing number (editable)

- Account number (editable)
  - --- Confirm
  - --- Back
- 2. The actor enters customer account data and selects the confirm option [A03]
- 3. The system presents a form for editing the customer account, considering for each customer [PRO04]:
- Name (editable)
- Routing number (editable)
- Account number (editable)
- Address (editable)
- State (containing the list of US states)
- The options:
  - --- Confirm
  - --- Delete
  - --- Back
- 4. The actor enters customer account data and selects the confirm option [A03] [A04]
- The system verifies if the information is valid [BR01] [BR02] [BR03]
   [E01]
- 2. The system updates the customer information
- 3. The use case is concluded
- 4. The system returns to the home screen

#### [A02] The actor selects the Cancel option

- 1. The use case is concluded
- 2. The system returns to the home screen

#### [A03] The actor selects the Back option

1. The use case returns to step 1 of the basic path, inputted data is not saved.

#### [A04] The actor selects the Delete option

- 1. The system confirms that the customer will be deleted
- 2. The system excludes the customer
- 3. The system returns to step 1 of the basic path.

# Exception paths:

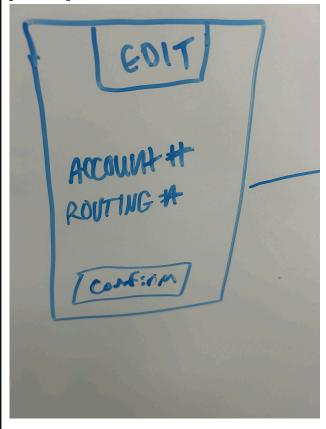
#### [E01] Invalid account information

1. The system displays message indicating the existence of invalid account information

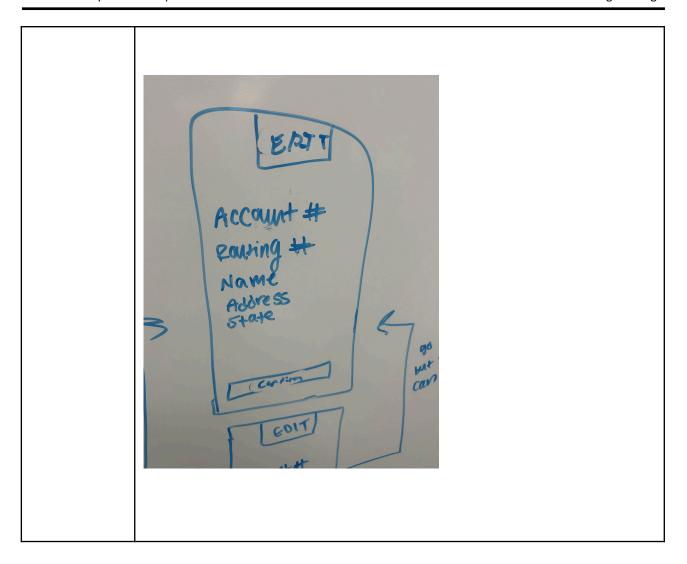
Business   [BR01] All attributes are mandatory   [BR02] The routing number must uniquely identify a customer account   [BR03] The account number must uniquely identify a customer account		2. the use ca	ase returi	ns to step 3 of	the basic path
Name     Type     Length     Mask       Name     String     50       RoutingNum     String     9     xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		[BR02] The rout account [BR03] The account	ting numb	per must uniqu	
Name String 50 RoutingNum String 9 xxxxxxxxx AccountNum String 17 xxxxxxxxxxxxx Address String 50 State String 2	Data				
RoutingNum String 9 xxxxxxxxx AccountNum String 17 xxxxxxxxxxxx Address String 50 State String 2	description	Name	Туре	Length	Mask
AccountNum String 17 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		Name		50	
Address String 50 State String 2  Prototype: [PRO01]:		RoutingNum	String	9	xxxxxxxx
State String 2  Prototype: [PRO01]:		AccountNum	String	17	xxxxxxxxxxxxxxx
Prototype: [PRO01]:		Address	String	50	
		State	String	2	
[PRO02]:	Prototype:	Besi	Help		



## [PRO03]:

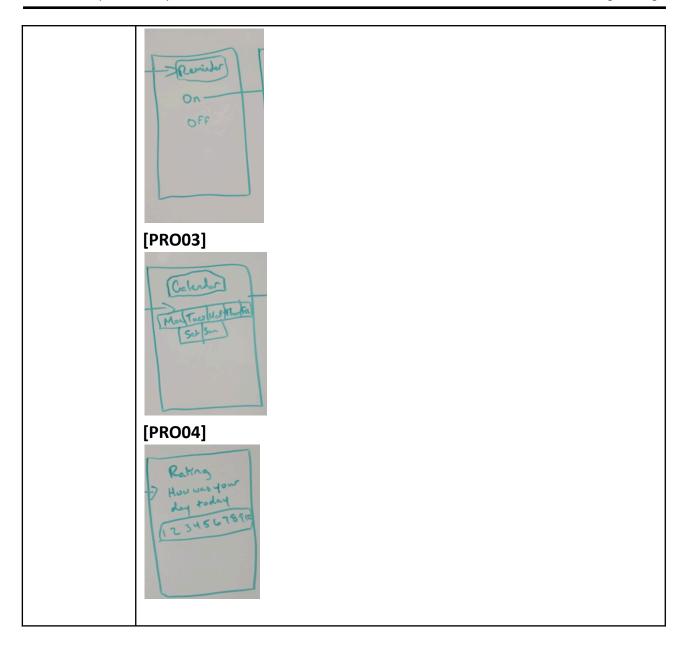


[PRO04]:



UC02 Name:	Customer Health Check							
Description:	The app should be able to get a periodic (depending on the circumstance) health							
-	check with the customer							
Actor:	Customer							
Entry	The actor selects the Customer Health Check							
condition:								
Basic path:	1. The system prompts the user to select a notification							
	option[PRO01][PRO02]							
	2. The actor selections option New[A01] [A02]							
	3. The system presents the actor with a screen for setting							
	notifications [PRO03] [BR01]							
	- Time (editable)							
	- Days (editable)							
	4. The system informs the actor of their set times/days for							
	confirmation [A01]							
	5. The system then presents a "Rate your day" scale							
	[PRO04][BR02]							
	6. The actor selects a number from one to ten [A04]							
	7. The data is stored in the user's profile							
	8. The use case is concluded 9. The system returns to the home screen							
	10. The user is notified the next day at their set date and time							
	via their notification preference							
	processing and the second seco							
Alternative	[A01] The actor selects the confirm option							
paths:	The system presents time (read only) and date (read only)							
	[ACCITION CONTRACTOR AND CONTRACTOR							
	[A02] The actor selects the cancel option							
	This case is canceled							
	2. System continues to the main page							
	[A03] The actor selects the edit option							
	1. The system returns to step 6 of the basic path							

[A04] The	actor selects	the back onti	ion	
1. The	system retur	ns to step 5 of	the basic path	
[E01]				
	. The actor i	is informed the	eir data is invalid	
2	. The user re	eturns to basio	path step 3	
[BR01] . Th	e customer	must be able t	o choose when a	nd how thev
				,
[BR02] . Th	e notificatio	n must take th	nem to the survey	when
interacted	with			
Name	Туре	Length	Mask	
Time	Int	4	-	
Day	Int	<del>-  </del>	-	
I <del> </del>			-	
Rating	Int	2	XX	
<b>1</b> 22221				
	Frations			
	I. The second se	1. The system return 2. The actor 2. The user receive the notification [BR02]. The notification interacted with   Name Type Time Int Day Int Month String Rating Int	1. The system returns to step 5 of  1. The actor is informed the 2. The user returns to basic  [BR01] . The customer must be able to receive the notification  [BR02] . The notification must take the interacted with    Name	1. The actor is informed their data is invalid 2. The user returns to basic path step 3  [BR01] . The customer must be able to choose when all receive the notification [BR02] . The notification must take them to the survey interacted with    Name



UC03 Name:	Appointment Scheduler									
Description:	Schedule appointments with therapists in advance									
Actor:	Customer (user of the app)									
Entry	The customer logs into the app and selects "Schedule									
condition:	Appointment" button under the therapy category									
Basic path:	The system displays a screen listing available therapists, their									
	specialties, and time slots.									
	2. The customer selects a preferred therapist from the list.									
	3. The system presents a calendar view showing available									
	appointment slots for the selected therapist. [PRO01] [A04]									
	4. The customer chooses a date and time for their appointment.									
	5. The system verifies if the customer's therapist is available for									
	chosen date and time. [A01]									
	6. The system asks the customer to confirm appointment									
	details. [PRO02]									
	7. The customer confirms the details.									
	8. The system verifies if the appointment details are valid. <b>[E01]</b>									
	[E02] [BR01] [BR02]									
	9. The system schedules the appointment and updates the									
	customer's schedule.									
	10.The customer can choose to reschedule or cancel their									
	existing appointment. [A02] [A03]									
	11. The system automatically updates appointments for the									
	customer in advance based on the customer's schedule, also									
	giving the customer the choice alongside reschedule and									
	cancel to confirm if the date and time works for them.									
Alternative	[A01] Therapist is unavailable: If the selected therapist is									
paths:	unavailable for the chosen time slot, the system prompts the user									
	to reschedule.									
	[A02] Reschedule: The customer can navigate to their scheduled									
	appointments and choose to reschedule an existing appointment.									
	The system will prompt the customer with available dates and times									
	for their therapist and allow them choose a different date and time to reschedule.									
	to rescribudie.									
	I .									

Exception paths:	appointments and system will prompt cancellation.  [A04] Back: The cust change their mind of the control of the	choose to the custo stomer ca on schedu ing: If the ame time	cancel and mer if the number of the number of the system o	existing appointment. The by want to confirm their tof the calendar view if they rapy appointment.  tries to schedule two m tells the user there is a estomer to choose a different				
	more appointment	s than allo r month),	owed with the syster	ner attempts to schedule in a given period (e.g. one m will display a message that reached.				
Business	[BR01] Appointme	nt conflic	t: The syst	em must check no				
Rules:	therapist before an [BR02] Scheduling	appointn	nent is cor tomers ca	th the customer and the offirmed.  In schedule a certain number (configurable within app				
Data		_						
description	Name	Type	Length	Mask				
	TherapistID	String	10	Alphanumeric				
	Day	Int	2	DD				
	Month Int 2 MM							
	Year Int 4 YYYY							
	Hour Int 2 HH (24-hour, no AM/PM)							
	Minutes Int 2 MM (will be displayed as HH:MM)							
	UserID	String	10	Alphanumeric				
	AppointmentID	String	12	Alphanumeric				
Prototype:	[PRO01] Calendar	View						

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29		1	2 John Doe Upn-5pn	3	Ч	5
Ь	7	8	9	10	11	(2
13	14	15	16 John Doe 6pn-7pn	17	13	19
20	21	22	23	24	25	26
27	28	17	30	١	2	3
Th	nerap	ist: J	Tohn	Doe	, ,	
	Cal	end	W "	Viel	~/	
[PRO	02] A	ppoin	tment	Conf	irmat	ion Scre

