

Healthy fun app

Managing Product Development

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Test Plan

Create a test plan to validate everything is built to spec and working correctly

Test Cases: Functional Requirements

Feature	Steps	Expected Behavior	Priority
User can create account based on their email address	<ol style="list-style-type: none">1. Install the mobile app on your mobile device2. Access the mobile application on your phone3. Click on Signup4. Enter your first and last name5. Enter your email address as Username6. Enter your password7. Confirm password8. Click Create account	<p>The app loads upon clicking it.</p> <p>Clicking on Signup opens the account creation page</p> <p>Both the first and last name are mandatory</p> <p>Email address is validated to ensure it meets email format, does not already exist in the database</p> <p>Password entered is validated based on set criteria(at least 10 characters, one uppercase letter, one number and one special character)</p> <p>Ensure the first password and the second password match, If not display message 'Passwords do not match!'</p> <p>Upon clicking 'Create account' message displayed 'Kindly confirm account creation by clicking on verification link sent to the email address entered'</p>	P0

Test Cases: Functional Requirements

Feature	Steps	Expected Behavior	Priority
Onboarding of first time user	<ol style="list-style-type: none">1. Access the login page2. Enter username and password3. First screen displayed to user explains the benefits of the app and how the app works	<p>With the correct username and password combinations the user is able to login</p> <p>First screen user sees displays benefits of the app and how it works</p>	P0
	<ol style="list-style-type: none">1. Access the login page2. Enter username and password3. Set up new 'Health Investment' pop up appears to user	<p>With the correct username and password combinations the user is able to login</p> <p>User has the option to accept or choose 'Set up later' for the Health investment</p>	P1

Test Cases: Functional Requirements

Feature	Steps	Expected Behavior	Priority
Make investment	<ol style="list-style-type: none">1. Access the login page2. Enter username and password3. Click the monthly investment icon4. Scroll the toggle that appear to the right to set monthly investment. The minimum is \$1 and maximum \$30	<p>With the correct username and password combinations the user is able to login</p> <p>The investment icon opens the toggle screen upon being clicked.</p> <p>The user is able to scroll along the toggle to set their monthly investment.</p> <p>When user tries to scroll to less than \$1 or greater than \$30, a message pops up 'The maximum amount allowed is \$30 and the minimum is \$1'</p>	P0
	<ol style="list-style-type: none">1. Click the monthly investment icon2. Scroll the toggle that appear to the right to set monthly investment. The minimum is \$1 and maximum \$30	<p>The user is able to scroll along the toggle to set their monthly investment.</p> <p>As the user scrolls on the toggle, a message pops up showing how much their investment will grow if they meet their goals</p>	P1

Test Cases: Non-functional Requirements

Requirement	Steps to reproduce	Priority
After the user clicks 'Create account', a confirmation email is sent to the email entered within 120 seconds	<ol style="list-style-type: none">1. Access the mobile application on your phone2. Click on Sign up3. Enter your first and last name4. Enter your email address as Username5. Enter your password6. Confirm password7. Click Create account8. Check email to confirm receipt of verification link	P0
Login to user account should occur within 30 seconds of clicking 'Sign in'	<ol style="list-style-type: none">1. Enter your email address as Username2. Enter your password3. Click Sign in	P1
After the user clicks on the app , it should load within 3 seconds, display its logo and proceed to the login screen	Click on the installed app Wait for 3 secs or less for the app to display its logo and proceed to login page	P1

Dogfood Survey

Create a dogfood survey to get insight from real world usage

Dogfood Survey



https://docs.google.com/forms/d/e/1FAIpQLSdsG_a9qFo3HktxMOyJFXYLcmMOXPEOG5jnW8fq9pSjtBCqw/viewform?usp=pp_url

Prioritize

Issues come up. Keep the team focused on the things that matter the most

Fire Drills

Scenario	Who	Communication Method	Key Messages
QA finished testing and reported that 3 test cases failed	Engineers	Email Ping	Kindly have a look at the test cases highlighted in red and advise. Thanks.
An engineer is ready to start working on the next feature, but doesn't have the mocks for it	UX Lead	Ping Email	Kindly share the mocks for the next feature with the engineer responsible . He is ready to work on it. Thanks.
Support flagged that many users are unable to sign in to their accounts	Engineering Lead	Ping	Urgent! Please note that many users are not able to sign in to their accounts and this may impact the business sales in a bad way if not handled quickly. Thanks
Dogfood survey results are in and dogfooders are not excited about recommending the product	Product team Research team QA Engineers	Meeting	Kindly convene for an urgent meeting in the boardroom at 10am to discuss the feedback from the survey. We need to figure out the root cause of the poor feedback, and plan new strategies. Thanks.
Legal informed you about a new law going into effect that will require you to add new privacy controls before you can launch	Legal team/Lawyers PO Leadership	Meeting Docs	Kindly note that there is a new request to add privacy controls to the app before its launch. Kindly have a look at the document attached, for our discussion when we meet tomorrow. Thank you.
A new PM just joined your team and is interested in learning about your work	PM	Meeting Email	Kindly convene at the boardroom at 2.30 pm for an introductory session. Welcome to the team! Thank you.

Prioritize

Scenario	Priority Ranked	Rationale
QA finished testing and reported that 3 test cases failed	4	Depending on the severity of the features affected, it will then influence which tests to consider urgent
An engineer is ready to start working on the next feature, but doesn't have the mocks for it	2	It is important to address this soon because the engineer may remain idle waiting for mocks yet there is lots of work to do.
Support flagged that many users are unable to sign in to their accounts	1	Many users not logging in is a very serious issue as it affects the sales and usage of the app. This must be resolved soonest possible.
Dogfood survey results are in and dogooders are not excited about recommending the product	5	This is an issue that needs brainstorming and may take some significant amount of time, thus can be looked into later on to avoid rushing through discussions
Legal informed you about a new law going into effect that will require you to add new privacy controls before you can launch	3	This is a new feature request that the product team needs to discuss on, it may also prevent product launch, thus needs to be considered as quite urgent
A new PM just joined your team and is interested in learning about your work	6	This may come last as it is a familiarity session, and we will continue to work together as time goes by.

Go No Go

Run a go / no go meeting to decide if the product is ready to launch, and communicate out any risks and mitigations in place

HEALTHY FUN APP

Healthy must not be boring. This is the message that the Healthy Fun app attempts to spread. This app makes fitness and healthy eating habits fun and enjoyable. Give it a try and see for yourself!

Key Features:

- Ability to set monthly investment and benefit from it if user achieves their monthly goal
- Receive Statistics on their daily physical activities
- Connect users to therapists for their mental health

Ready to Launch

Ready to launch

Set monthly investment goals

Testing:

- Four out of five test cases passed

Dogfood:

- Positive feedback from dogooders

Production Readiness:

- Ability to handle increased traffic when millions of users make payment requests simultaneously

Open Issues / Risk:

- There is no payment confirmation message received by the user, though the payment reflects on their account

Mitigations:

- Include a pop message on the app when once the payment reflects

Some Risk

Some Risk

Receive Statistics on daily physical activity

Testing:

- One test case failed
- The number of steps is being wrongly calculated. The app seems to be doubling the number of steps taken by user

Dogfood:

- Dogfooders ran into issues related to the failed test case above

Production Readiness:

- Correct calculations of number of daily steps for at least 1000 incidences

Open Issues / Risk:

- Wrong statistics issued to the user regarding their physical activity and fitness level

Mitigations:

- Provide a fix to the bug to ensure proper calculation of the statistical data relating to movement

Connect users to therapists

Ready to Launch

Ready to launch

Testing:

- Three test of four test cases passed

Dogfood:

- A third of dogfooders ran into issues
- There was an issue connecting with the therapist as the app failed to redirect the user to the zoom meeting via browser. The user had to download zoom app to access the meeting

Production Readiness:

- The rate of requests that fail ,either explicitly, implicitly or by policy

Open Issues / Risk:

- There are not stand-by therapists in case scheduled therapist is not available

Mitigations:

- Onboard more therapists to the platform to cater for absence of other therapists

Recommendation: Launch

Set monthly investment goals. This feature was well received by dogooders and passed the most important tests, the risk is not significant enough to block the Launch since payments get updated its just the message of confirmation that does not return as expected, thus for this feature proceed with launch.

Receive Statistics on daily physical activity, the number of steps being wrongly calculated posses a significant risk since wrong data will be collected and consumed by the user, this feature must be fixed before the launch.

Connect users to therapists. Users are able to access their sessions with therapists though through a tedious process and there seems to be a challenge a few times when therapists scheduled are unavailable and there are no substitutes, this feature has a work around should not block the launch.

Invitation: Go / No Go Launch Meeting

To:

- Product team
- Tech lead
- Engineers
- Leadership team – Chief Technology Officer, Deputy CEO
- Marketing lead
- Support lead

Dear all,

I would like to share an update of the Healthy Fun App. Two out of the three features are ready for launch as the risks involved are minimal and would not hinder the product's functionality. Calculation of the number of steps must be fixed before the launch. The engineering team is aware of the bug, they have provided a timeline of 4 days from today to have it fixed and tested. I am excited to share that in the next 10 days it should be all systems go for the launch.

Warm Regards,

Responding to Feedback

Your director:

This all looks really promising! Can we launch two weeks earlier than originally planned?

Your response:

- The Healthy Fun app is very much promising.
- However, the bug on calculation of steps taken by user must be fixed before the launch.
- All factors working in our favour, the earliest possible date for the launch would be 4 days before the set launch date.