



Test Documentation

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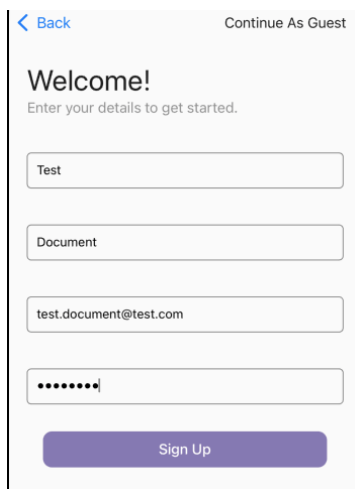
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Introduction

This document reports on the test suite that we have developed to validate that our app delivers all the user stories we originally identified for our project in our requirements document. Some tests are manual acceptance tests and some are automated tests.

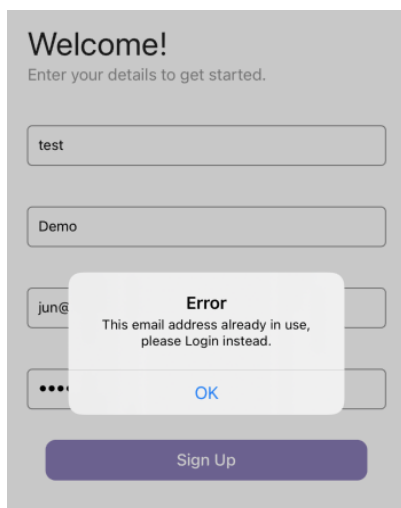
Manual Acceptance Tests

- **US 01.01.01 - Login and create account**
 - As a user, I want to create a personal account, so that I can have a secure, individualized experience that is appropriate for myself and my family's needs.



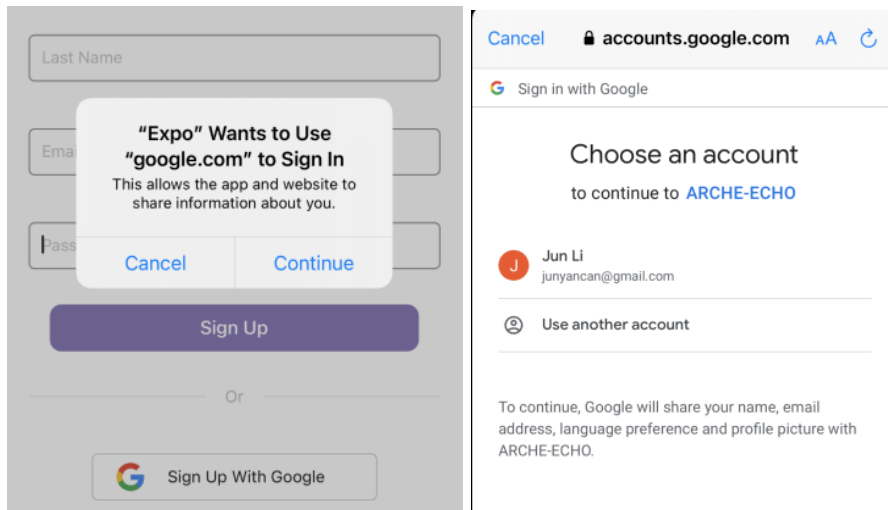
The screenshot shows a mobile app interface for account creation. At the top, there is a blue '< Back' button and a 'Continue As Guest' link. Below this is a 'Welcome!' heading followed by the instruction 'Enter your details to get started.' The form contains four input fields: 'First Name' (containing 'Test'), 'Last Name' (containing 'Document'), 'Email Address' (containing 'test.document@test.com'), and 'Password' (masked with dots). A purple 'Sign Up' button is positioned at the bottom of the form.

Users can enter their first and last name, email address and password to create an account.

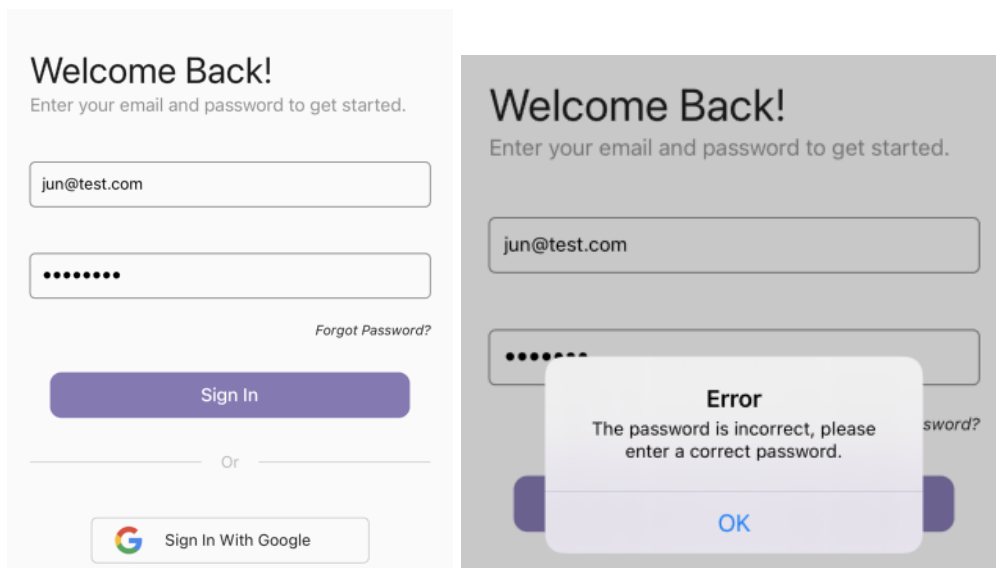


This screenshot shows the same registration form as above, but with an error message displayed. The 'Email Address' field now contains 'jun@'. A white error dialog box is centered over the form, with the title 'Error' and the message 'This email address already in use, please Login instead.' Below the message is a blue 'OK' button. The 'Sign Up' button remains at the bottom of the form.

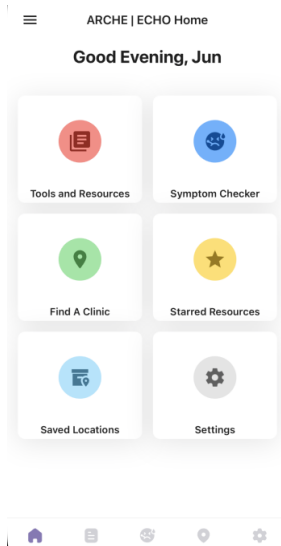
Users cannot create a new account using the same email that is already linked with an account.



Users can choose to sign up an account with google, a built-in browser will pop up and users can log into their google account and continue the process.



Users need to input correct information (email and password/google sign in) and make sure it doesn't allow users to continue or access another individual account.



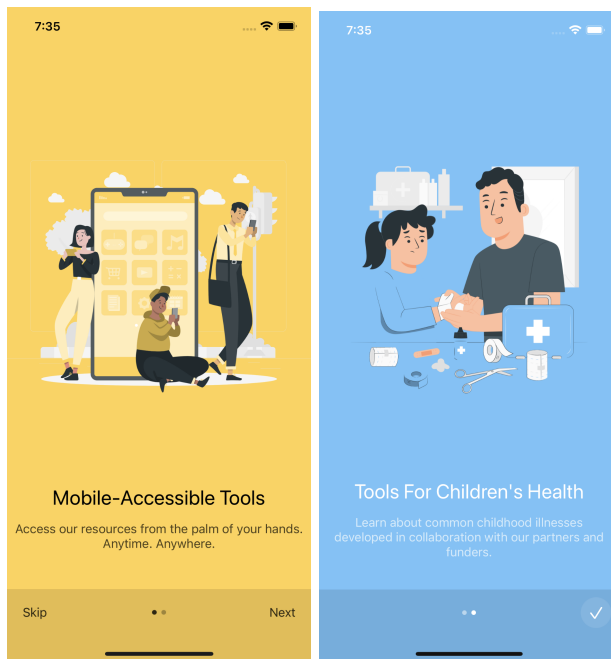
Users can enter the home screen once they successfully login or create an account.

- **US 02.01.01 - Splash Screen(s)**
 - As a user, I want to see a splash screen when I launch the app so that I immediately know what app I am opening and also the organizations/companies behind the app I am using.



Splash Screen will be shown when the users launch the app.

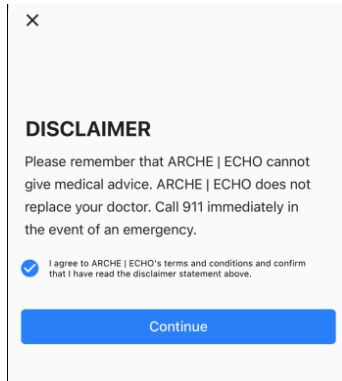
- **US 02.02.01 - App introduction/Onboarding? (first time launching the app only)**
 - As a user, I want to be able to see a brief overview of the app's functionalities and offerings (through simple infographics) so that I can quickly decide if this app is appropriate/suitable for my usage.



Onboarding screens will be shown when a user first creates an account and it contains some basic information about the app.

- **US 02.03.01 - User disclaimer (first time launching the app only)**

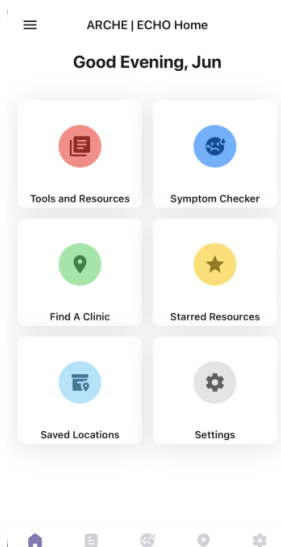
- As a user, I want to see a disclaimer form the first time I use the app so I know the risks and the implications of using this app; I also want to be able to accept or decline the disclaimer form so that my consent dictates whether I can use the app or not.



Users will need to agree to disclaimer when they first created an account, users can not use the main functionality of the app until they agree to the terms and conditions.

- **US 02.05.01 - User Home Screen**

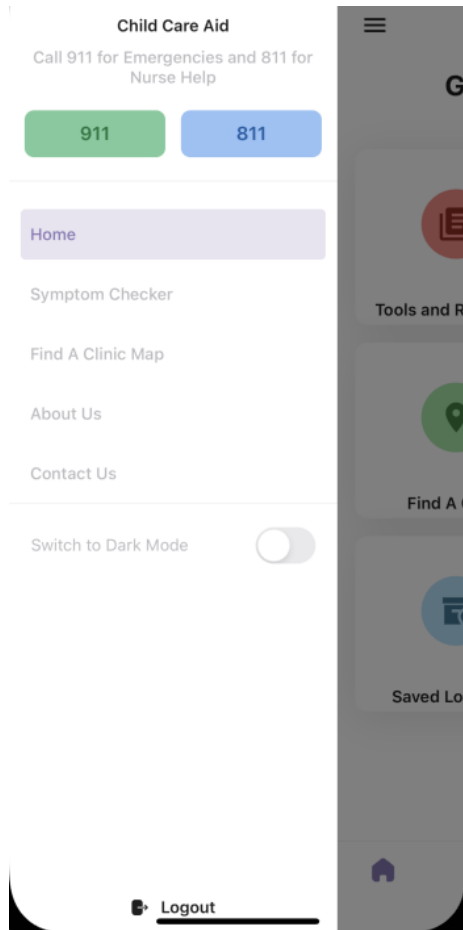
- As a user, I want to have an intuitive home screen so that I have simple and quick paths of navigation to the major functions/sections of the app.



This is User Home Screen, users can navigate to different functionality here. (eg. tap on tile, bottom nav bar or top left hamburger menu)

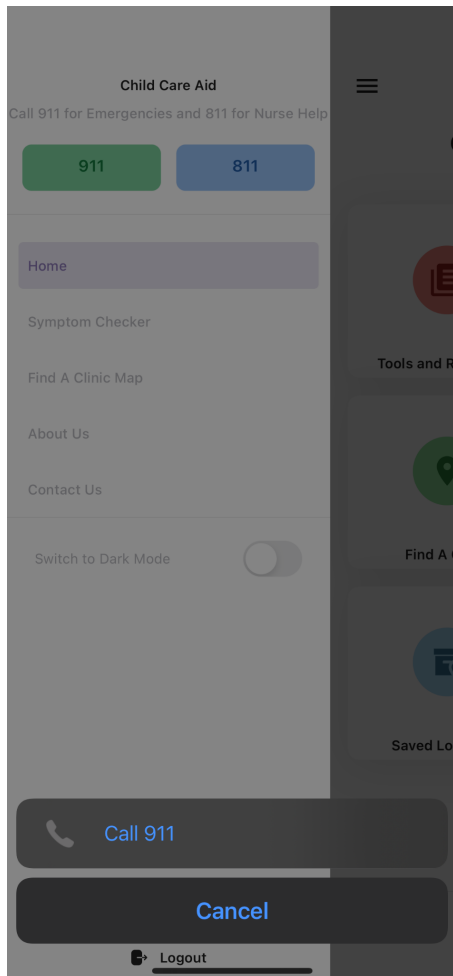
- **US 03.01.01 - Navigation menu (top left hamburger menu)**

- As a user, I want to have a navigation menu so that I can navigate to different functions more easily.



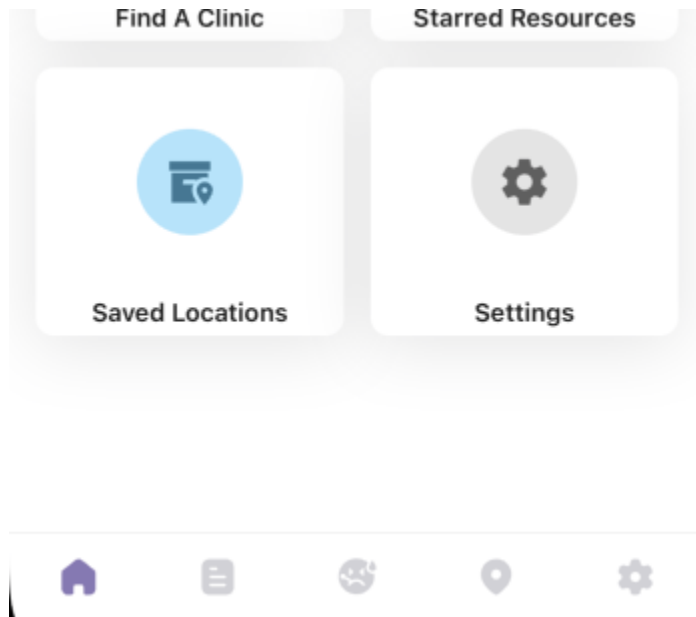
Users can tap on top left of the home screen to open this hamburger menu.

- **US 03.01.02 - Call 811 and 911 button (located in navigation menu)**
 - As a user, I want to let the app take me to my phone's dialpad and pre-enter either 811 or 911 into it, so that I can have an easy way to access further health information (HealthLink in Alberta) or emergency help if deemed necessary.



Users can call 911/811 in the hamburger menu.

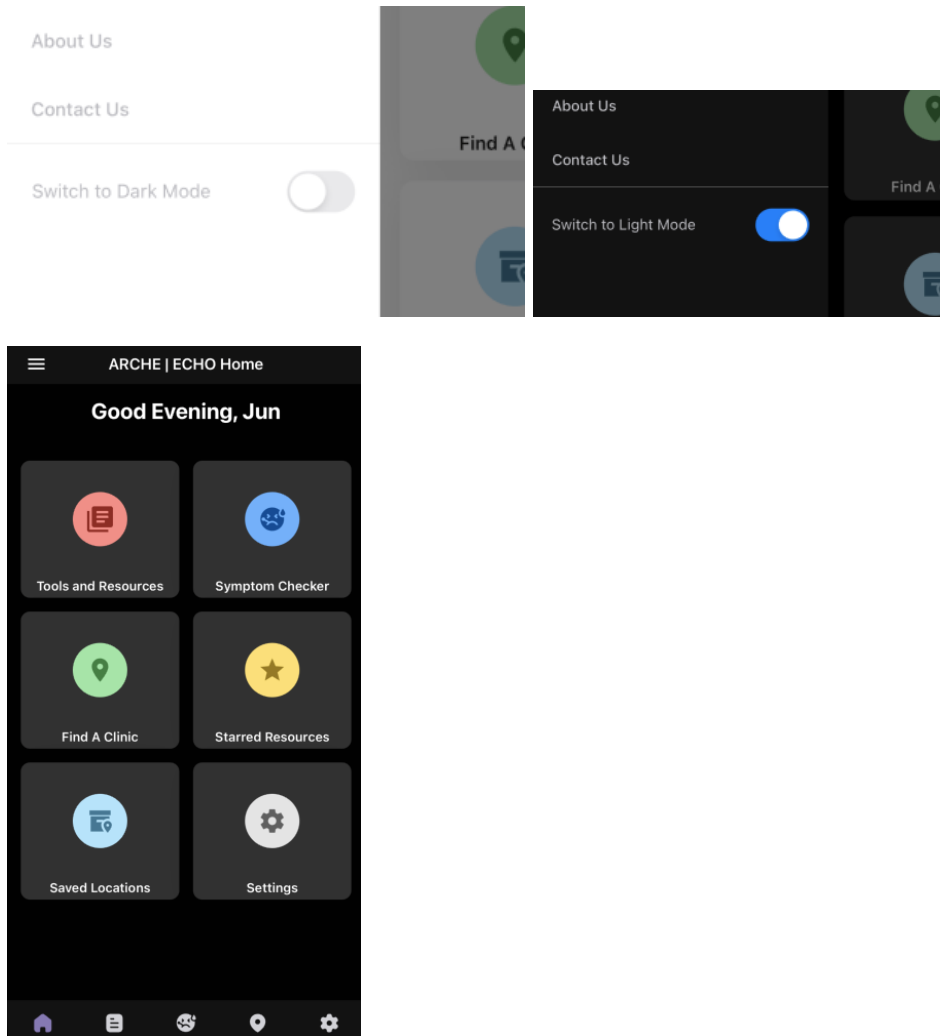
- **US 03.02.01 - Shortcut hotbar (bottom of app)**
 - As a user, I want to have a persistent set of shortcuts so that I can intuitively access the most important parts of the app without wasting needless time.



Users can also use the bottom nav bar to navigate to different screens.

- **US 04.01.02 - Night Mode**

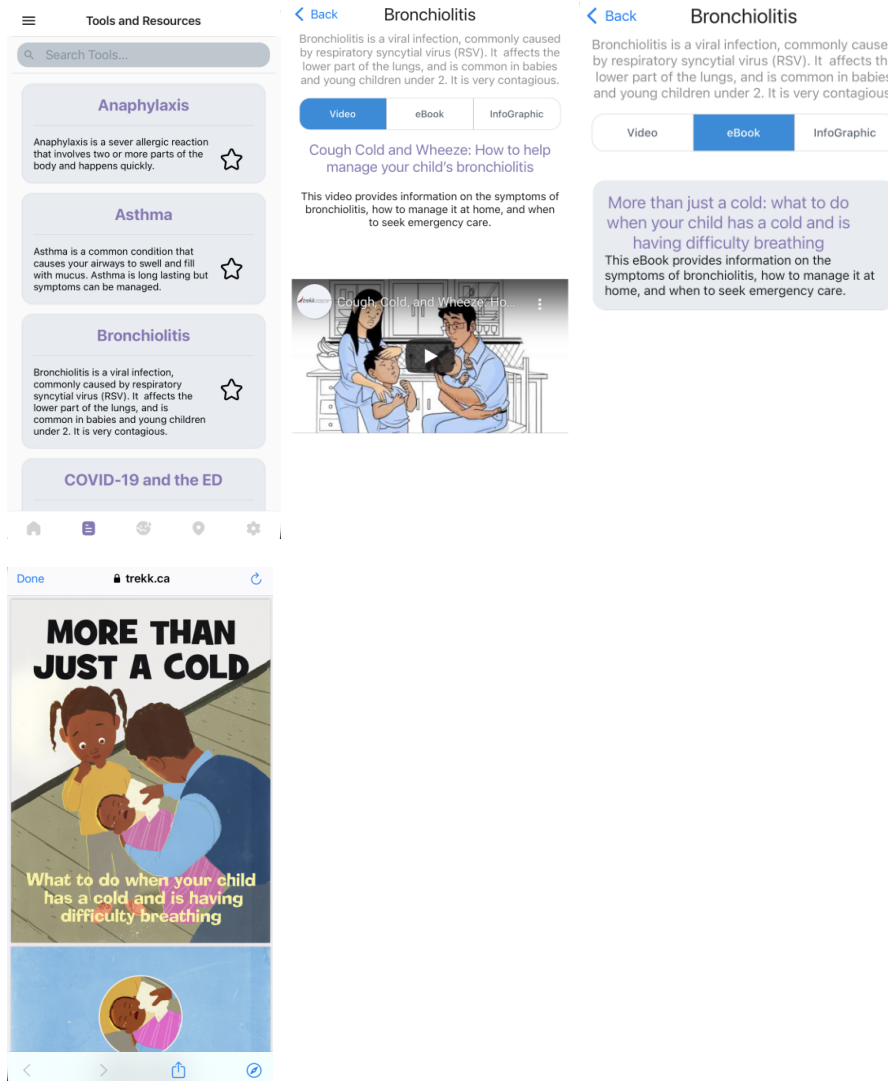
- As a user, I want to be able to enable/disable “night mode” for the app so that I can have a color theme that is less harsh on the eyes.



Users can switch the app to night mode by clicking toggle to switch.

- **US 05.01.01 - Tools and resources menu**

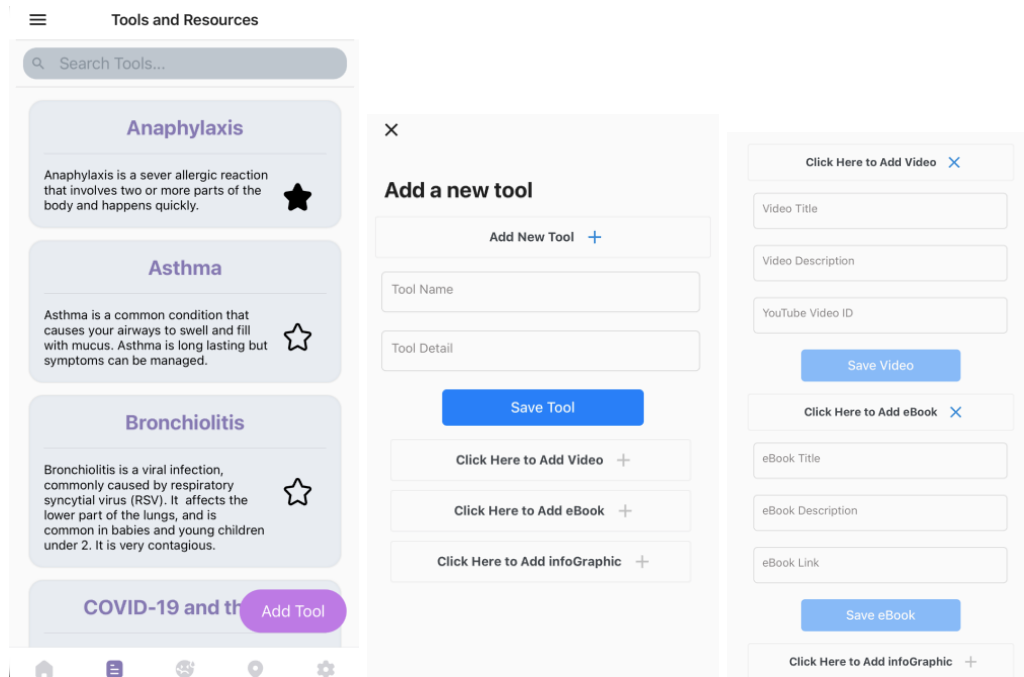
- As a user, I want to be able to have access to a catalogue of common, but informative and medically-sound media, so that I can confidently find, learn and (potentially) apply information appropriate to my medical situation.



Users are able to search different tools inside ToolsAndDetails screen, users can also click on star icon to save their favorite tool or click on a tool to see view different resources of the tool (video, ebook or infographic) video will be play in a video player, ebook and infographic will be open in a pop up browser.

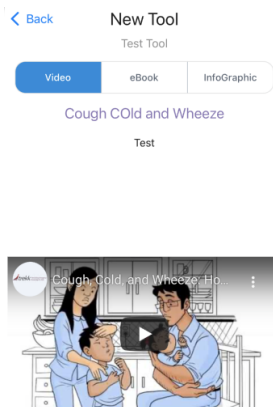
- **US 05.01.02 - Adding/removing from tools and resources**

- As an admin, I want to be able to dynamically add/edit/remove media from the catalogue, so that we can keep the informative content on our app relevant and purposeful.



Add tool button will only popup when the user is using an admin account.

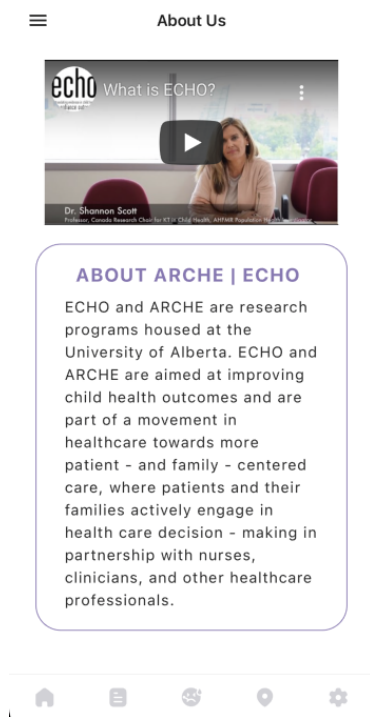
Admin can add a new tool by using this add tool function.



New tool is successfully added by this process.

- **US 06.01.01 - ARCHE-ECHO info page (About us page)**

- As an admin, I want users to see an info page (that admins can edit) regarding ARCHE | ECHO, so that users can easily access basic information about the application and owners.



About us will open when use click on about us tap, it will show a video of echoket and basic information about arche | echo.

- **US 06.02.01 - Contact us (at ARCHE-ECHO) function**

- As an admin, I want users to be able to easily find our organization's contact information, so that they can provide feedback and report issues.

☰ Contact Us

Contact us for more information.

[@arche4evidence](#)

[@echoKTresearch](#)

[@ARCHE ECHO](#)

[@archeechoKT](#)

[ARCHE Website](#)

[ECHO Website](#)

For all other inquiries, please feel free to message us through our contact form below.

Are you contacting us as...(Please select all that apply.)

Click on social media tap will take users to arche|echo's social media page.

For all other inquiries, please feel free to message us through our contact form below.

Are you contacting us as...(Please select all that apply.)

☐ Parents/Family Member

☐ Researcher

☐ We have received your feedback and will get back to you as soon as we can.

☐

☐

Comment or Message

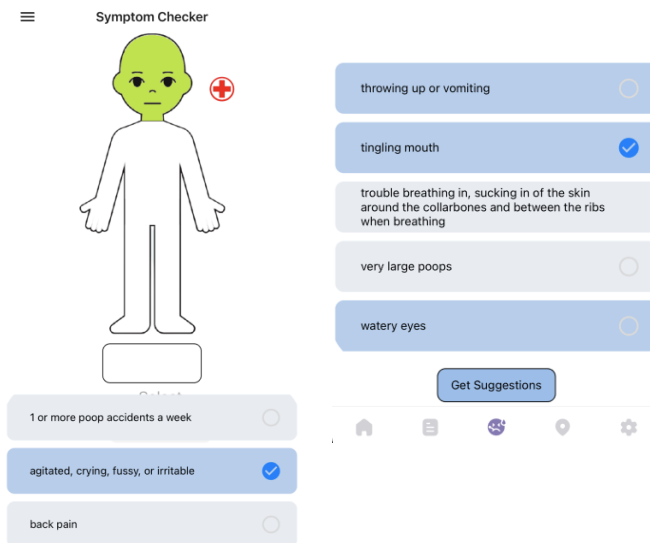
☐ Check this box if you want us to reply you.

Send

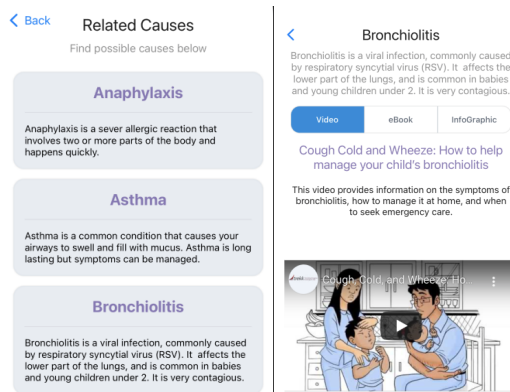
User can submit a feedback to arche|echo in this page.

- **US 8.01.01- Symptom checker with select region of body function**
(Select symptom, related factors and show list of cause)

- As a user, I want to be able to select a body part on the interactive animation and then be able to select multiple symptoms, so that I can get an accurate list of causes and potential ailments.



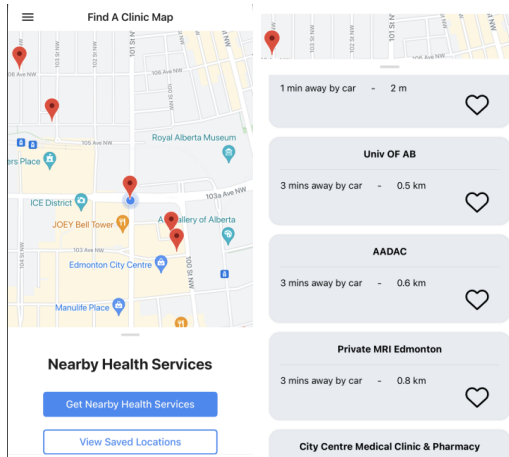
Users can click on different body parts on the avatar and related symptoms will be highlighted. Users are able to check different symptoms and click get suggestions to get related causes.



Users will then be able to view video, ebook or infographic about this cause. Selecting a body part and choosing symptoms will bring me to the relevant causes/ailments.

- **US 07.01.01 - Find a Clinic (Interactive Maps)**

- As a user, I want to be able to access a map with the closest clinics around me and relevant information such as its distance, rating, hours of operation, address and phone number, so that I can decide which hospital is the most convenient and appropriate for my needs.



Users are able to see nearby clinic on map and a list of nearby clinics with driving time and distance

Clicking the "Find a Clinic" tab will bring me to the interactive map in which I will see pins on the map (that I can select) and also a list of nearby clinics.

Automated Tests

We used Jest to write automated tests for JavaScript which is our js files.

Jest is a delightful JavaScript Testing Framework with a focus on simplicity.

It works with projects using: [Babel](#), [TypeScript](#), [Node](#), [React](#), [Angular](#), [Vue](#) and more

We have Snapshot tests for every single screen and all screens passed the tests.

All tests are located in the “frontend/___test___” folder.

Online Testing Tool

We used ESLint and Prettier as online testing tools.

ESLint:

ESLint is a tool for identifying and reporting on patterns found in ECMAScript/JavaScript code, with the goal of making code more consistent and avoiding bugs.

1. install ESLint using npm: [npm install eslint --save-dev](#)
2. Setup a configuration file using command: [npx eslint --init](#)
3. Choose style -- To check syntax, find problems, and enforce code style
4. Choose module -- JavaScript modules (import/export)
5. Choose framework -- React
6. Choose TypeScript -- Project did use TypeScript

Then we use command: `npx eslint ourfiles.js` to run the tests

Result:

All js files passed ESLint test, some files git warning about is defined but unused and we solved all warnings.

Prettier:

Prettier is an opinionated code formatter with support for:

- JavaScript (including experimental features)

We all have Prettier installed in our VSCode and it will check our code constantly and will give us a warning if there is a syntax error.

Not Tested User Stories

- **US 01.02.01 - User profile screen and customization**
- **US 01.03.01 - Create and attach a child's profile to one specific account (only accessible when logged-in)**
- **US 01.03.02 - Display summary statistics for each individual child and their entry logs (height, weight and dosage)**
- **US 01.03.03 - Graphically see changes/trends within a certain child's entry log**
- **US 04.01.03 - Text Size**
- **US 04.01.04 - Language and account settings (reimplementation from US 02.04/02.05)**
- **US 07.01.02 - Sorting/Filtering/Saving of the Clinics**
- **US TBD - App usage (Nice to have)**

These are the user stories we didn't test, they are nice to have so we didn't implemented them.