

Prototype Deliverable

CSC 591 UX - Spring 2019

#digitalfamilyhistories, Optum Health

Team

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Tools :

We used Axure RP 8 for our prototyping. Axure RP is a wireframing, rapid prototyping, documentation and specification software tool aimed at web, mobile, and desktop applications. It offers drag and drop placement, resizing, and formatting of widgets. It enables creating simple click-through diagrams or highly functional, rich prototypes with conditional logic, dynamic content, animations, math functions, and data-driven interactions without writing a single line of code.

We tried out some other tools such as Balsamiq and Sketch. However, we found Axure RP to be simple yet most feature rich prototyping software. It also had superior template library and easy to share online platform.

Axure RP generates HTML web sites for preview and team collaboration as well as Microsoft Word documents as output for production documentation.

More details can be found at: https://en.wikipedia.org/wiki/Axure_RP

Roles:

We divided the roles based on story board we generated in previous stages. Half of the team decided to work on the *core* idea of the storyboard - profile completion page for the user. Other team members worked on the rest of the storyboard features. More specific details are given below:

Aditya, Amber and Abhishek - We completed the profile page for the user. This involved discussions with the stakeholders in deciding the fields to be chosen in the final version of the profile. We also generated a dummy risk profile and a family tree page. The process of linking all the pages was done at the end.

Karthikeyan, Neeraj and Darpan - We were responsible for creating a prototype for the signup page and the family members' page. The signup page was created to enable a user to create a new account in MeTree and the family members' page was created to either link another account with this account as a family member or enter the details manually.

Prototype:

URL of the prototype: <https://7nv5ku.axshare.com>

i) The user gets this email from the provider to set up his/her MeTree account.



Just one step left to do and your MeTree ID will be ready to use. Click the button:

Activate my MeTree ID

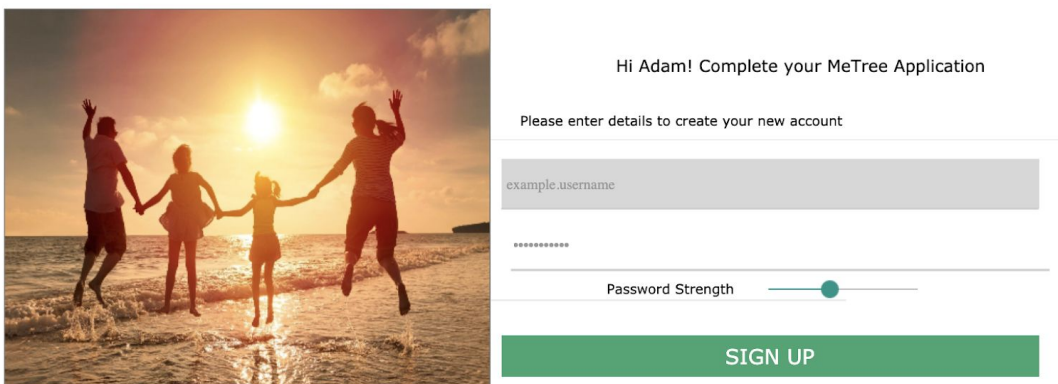
If you prefer, copy this 10-digit code<#####> and paste it into the box for the activation code on the Activate Your MeTree ID page.

If you did not request an activation link or code, or if you have questions about setting up a MeTree ID, contact us at 1-999-999-9999 or metreesupport@example.com.

Thank you,
MeTree Team



ii) This is the signup page. The username is the email id of the user and is prefilled.

The image shows a web page layout for a signup process. On the left is a large image of four people (two adults and two children) running on a beach towards the ocean at sunset. On the right is a white form area. At the top of the form, it says "Hi Adam! Complete your MeTree Application". Below that is the instruction "Please enter details to create your new account". There is a text input field containing "example.username". Below that is a password field represented by a series of dots. Underneath the password field is a "Password Strength" indicator with a horizontal line and a green dot. At the bottom of the form is a green button with the text "SIGN UP".

iii) Only the relevant details are asked by the user while completing his/her profile.



English

Logout

Name: Given Name

Gender: Female

Were you adopted? ☐ Yes

Race: ☐ American Indian or Alaska Native
☐ Asian +
☐ Black or African/American
☐ Native Hawaiian or Other Pacific Islander
☐ White

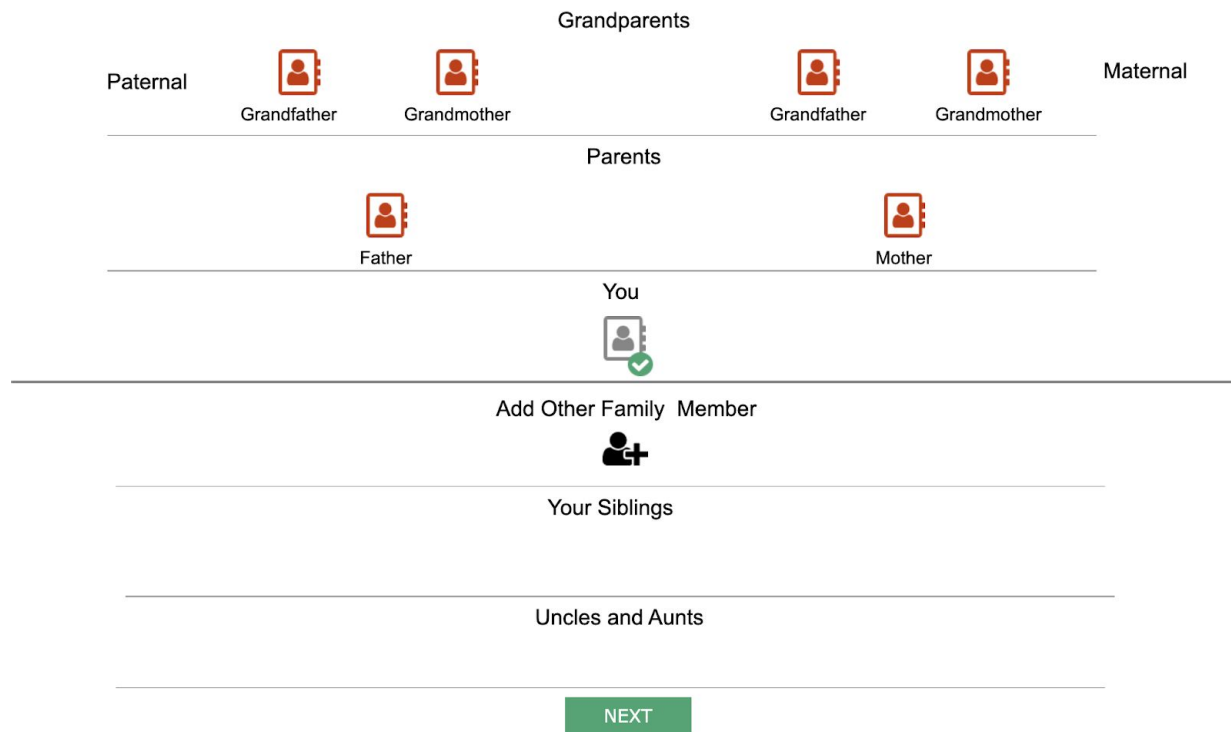
About your diseases and conditions ?

Let's get started. Have you been diagnosed with any of the following diseases or conditions?

☐ Abdominal Aortic Aneurysm
☐ Blood clots/ clotting disorder +
☐ Brain Disorder +
☐ Cancer and Adenoma (Non - cancer tumor) +
☐ More ...

Done

iv) This page represents the family details filled so far with a green tick. The unfilled information is shown in red. We also have the option of sending a request to the family members to provide their details if they have an existing MeTree account.



v) Once a request is sent to a family member, his/her corresponding icon is displayed in yellow. Once the request is approved, we change its color to green.

X

Paternal

maternal

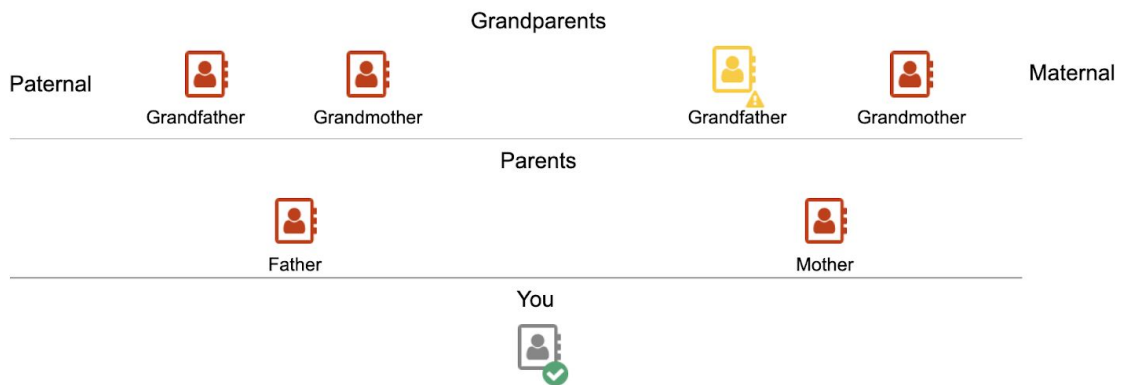
☒ Import from Existing Profile
 ☐ Create a New Profile

Hello

REQUEST

Uncles and Aunts

NEXT



Add Other Family Member




Your Siblings

Uncles and Aunts

NEXT

vi) We also have the option of adding new family members to our family tree. We follow the same process as described in the previous point to add a new member.



English

Logout

Paternal

Maternal

X

How is this member related to you?

Aunt

Uncle

Aunt

Brother

Sister

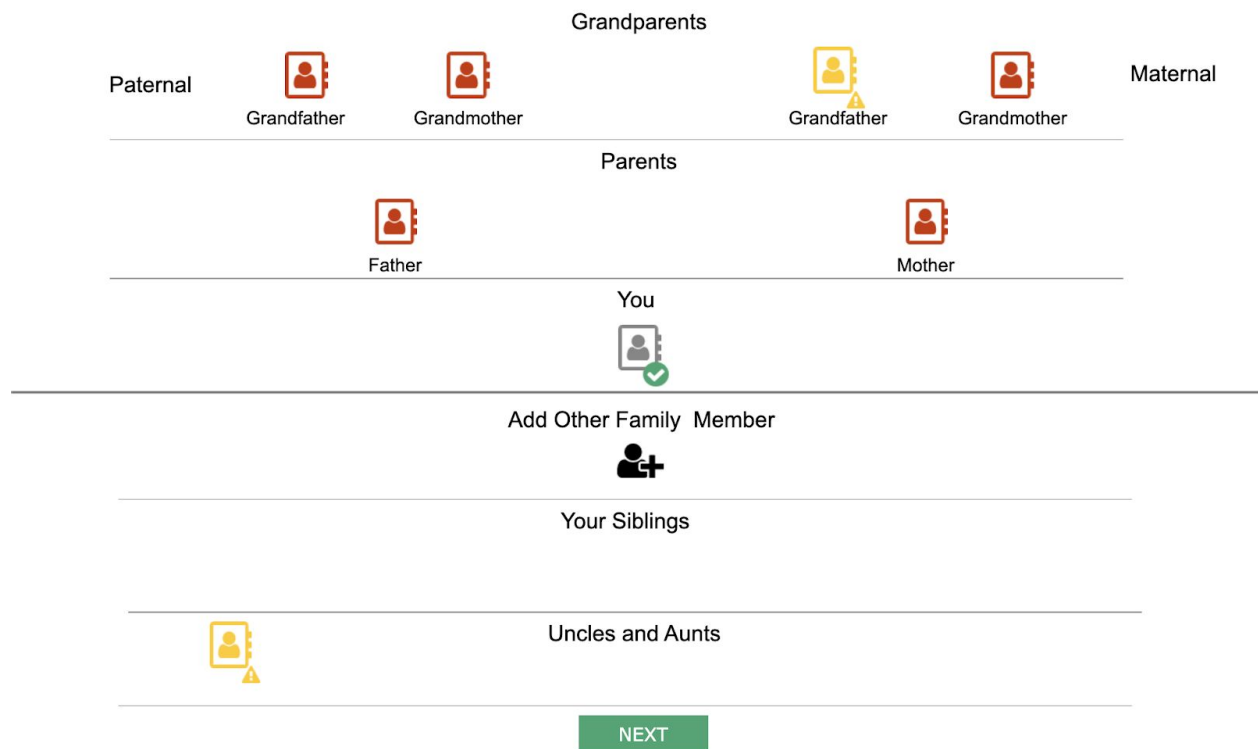
Son

Daughter

SUBMIT

Uncles and Aunts

NEXT



vii) In the end, we display the patient's risk profile and his family tree based on the information provided by him/her.

Personalized Risk Profile



No risk of diseases based on current profile.



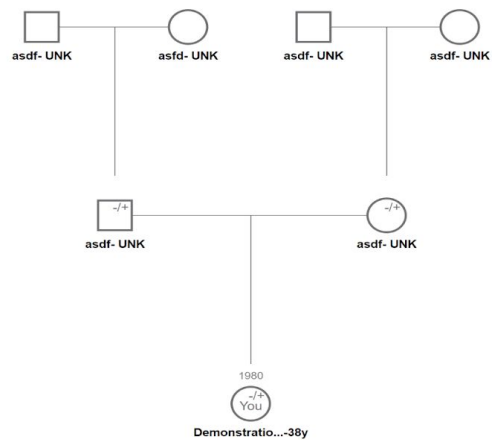
Critical risks found based on your data. Please visit doctor at the earliest.

[More Details](#)

Share risk profile details via email -

[Send](#)
[BACK](#)
[NEXT](#)

Family Tree


[BACK](#)
[FINISH](#)

Trial:

- 1) Choosing a particular prototyping tool 'Axure' from the various prototyping tools available that were tried and tested with.
- 2) It was a challenge to use the prototyping tool 'Axure' as none of the team members had prior experience working with it.
- 3) Multiple iterations were required to come up with the final version of the prototype that is agreeable with the stakeholder.
- 4) As the work was distributed among different team members, learning how to integrate all the parts together was time consuming.
- 5) At first run, the prototype wasn't cohesive. For instance, the fonts varied across pages, navigation didn't work and each page had different screen size. We fixed all those inconsistencies iteratively.
- 6) Linking elements from different page for smooth navigation was difficult at first. It wasn't very intuitive with Axure.
- 7) Since our prototype was of web application, we first struggled with prototype elements specific to a web application. Then we learned that Axure has a templates library which can be downloaded and imported. This made our job much easier.