Digital Family Histories 2 - Prototype

Team

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Tools

- JustInMind (https://www.justinmind.com/)
 - Used to create a colored prototype
- Axure (https://www.axure.com/)
 - Used to create black and white prototype

Roles

- Pages that needed to be mocked up
 - Dashboard Page, Family Disease Page, Family Bio Page

Axure Prototype

Name	Work Done
Tushar Nargunde	Created family bio page and all the different states we needed
Abhilasha Saini	Created family disease page and all the different states we needed

for interactive prototype		Created dashboard, login, report, and risk profile pages. Linked all the pages together for interactive prototype
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JustInMind Prototype

Name	Work Done
Brent Younce	Created dashboard page and linked all the pages together for interactive prototype
Pranav Anumula	Created family bio page and all the different states we needed
Urvi Luhana	Created family disease page and all the different states we needed

Prototypes

JustInMind Prototype Links

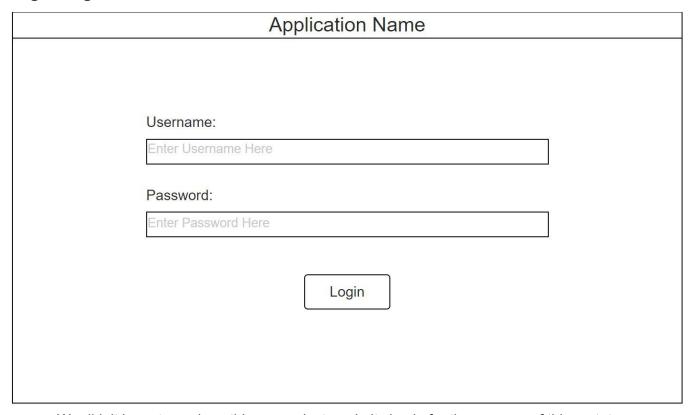
- Screenshots LINK
- Interactive Prototype (requires JustInMind Chrome Extension. Download, Extract ZIP, open HTML file in Chrome) <u>LINK</u>

Axure Prototype Links

- Screenshots Link
- Interactive Prototype Link

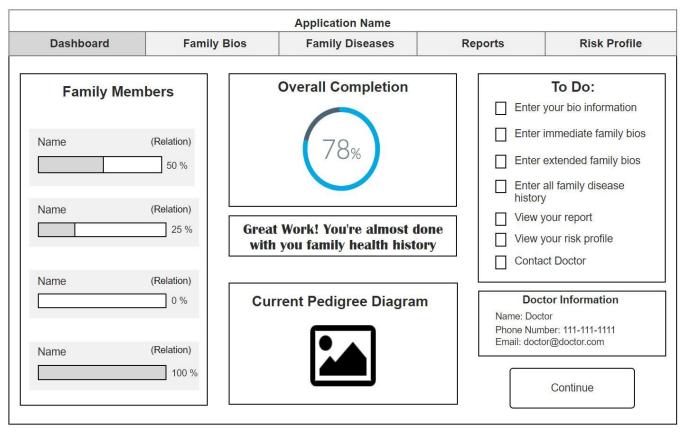
The following screenshots explain what each page does and what is shows. The screenshots come from the Axure Prototype

Login Page



- We didn't have to work on this, so we just made it simple for the purpose of this prototype
- When login is clicked, it will take you to the Dashboard

Dashboard Page

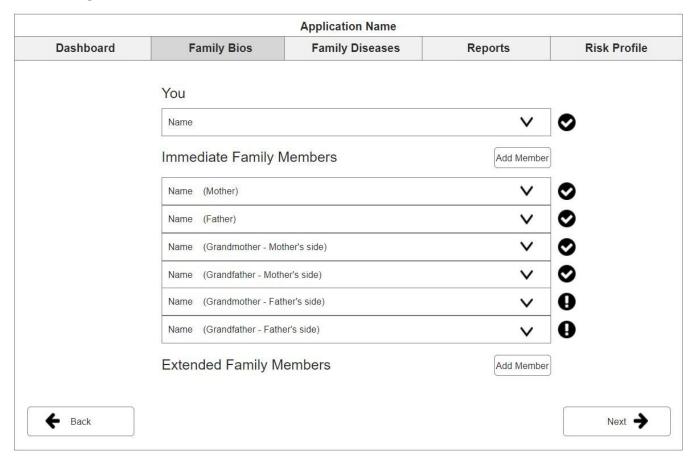


- This is the dashboard for the application.
- After you login, this is the first thing you would see.
- The left card shows all the family members you have added and how far you are in completing their bios.
- The top right card has a to do list which shows what you have left to do in the application. As you complete them, it will check off the task
- The card underneath that shows your doctor's information so you can quickly find it if you need it
- The pedigree diagram card shows the current state based on who's diseases you filled out.
- There's an overall completion circle to let you know how far you are on completing everything in the application. There's also a little positive feedback statement underneath it to encourage the user to finish. It will change depending on the overall completion percentage
- The continue button takes you to where you left off the last time you used the application.

- There is also a nav bar so you can go do different pages. All the pages have this nav bar

Family Bio Pages

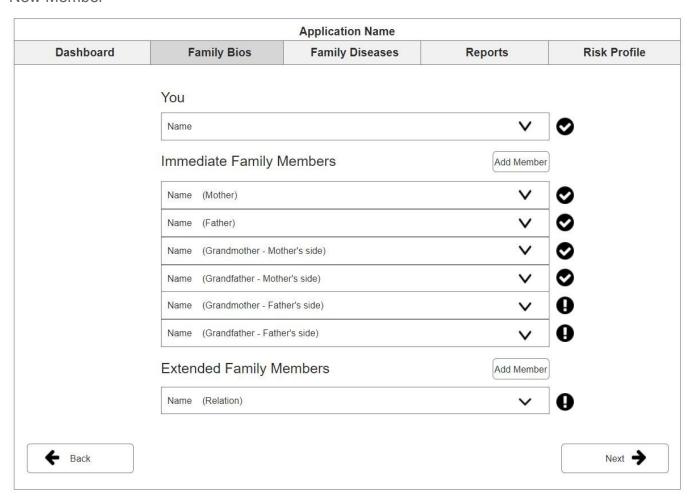
Default Page



- The bios are broken up into 3 categories as shown above
 - You
 - Info about yourself
 - Immediate family members are for: mother, father, grandparents, brothers, sisters
 - Extended family members are for: cousins, aunts, uncles
- The application will have the above 6 family members in immediate family by default as that is the minimum members needed for a family history
- The check mark or exclamation point mean you are either done with entering a member's info or not
- There is an add member button to add new members to a certain category

- There are also a next and back button at the bottom of the page to go between pages.
 These buttons are on every page (except in Dashboard)
- You would click the arrow to expand the dropdown for a certain member

New Member



- When a new member is added to a category, it shows up as shown above. In this case, we added a new extended family member.
- The exclamation point appears since their info has not been added and saved
- Their name and relation are shown as Name and Relation by default

Inputing Info for New Member



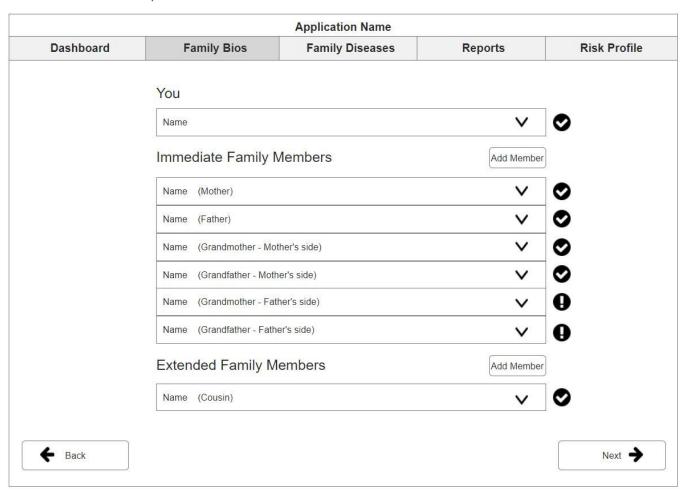
- When the arrow is clicked, the bar highlight to show you are on that member
- The input fields appear to fill out for the new member

Saving New Member



- This is how it looks after you enter the member's info and click the save button
- The *relation* next to the *name* updates in the dropdown bar
- And the exclamation point changes to a check mark since you have entered all the info for this member

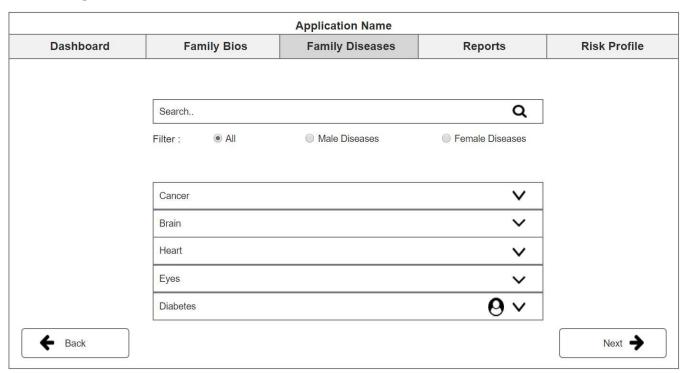
Saved Member collapsed



- This is how the new saved member looks when the dropdown is collapsed

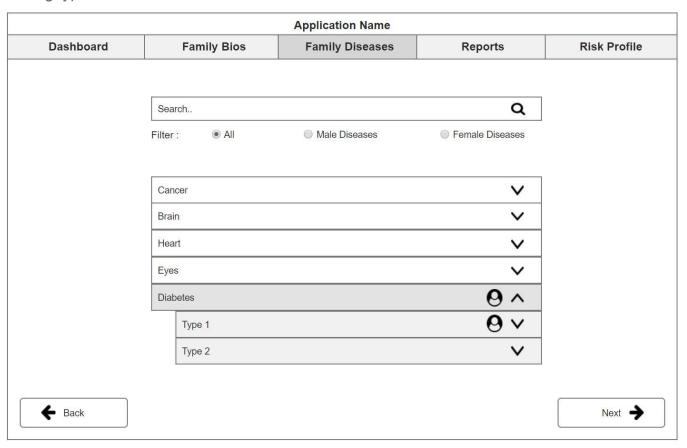
Family Disease Page

Default Page



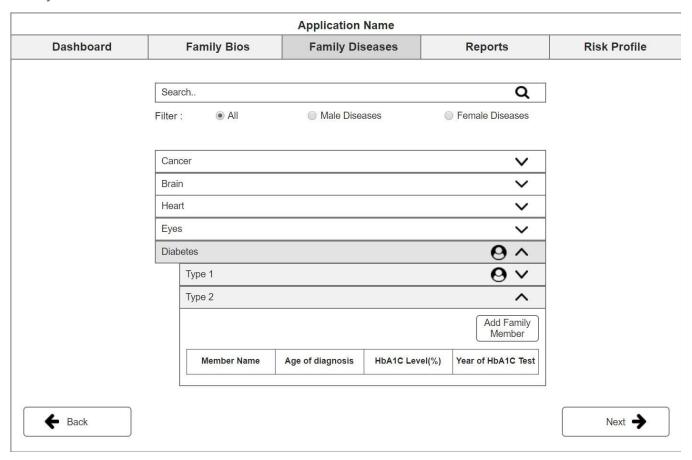
- This is what you see when you come to the disease page
- There would be a list of all the categories for disease. We have some here as shown above
- There is a search bar at the top to look for a specific disease or look for diseases that start with a certain letter
- There is a filter option that is gender specific underneath the search bar
 - By default, it's set to all
- When a family member is already added to a disease, an icon, with the first letter of that member's relation(M for mother, F for father, etc) or their name, is shown in that diseases category
 - This is to help with easy finding of people when going through the entire list (which in the real application would be very large)
- You would hit the arrow to expand the dropdown

Seeing types of Diseases



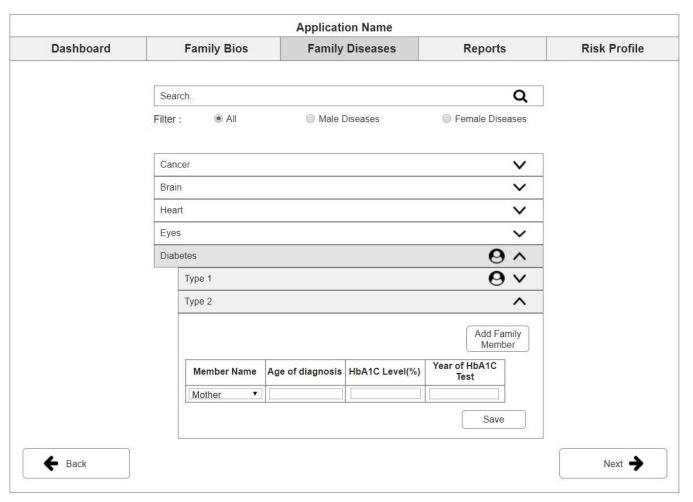
- The expanded category will show all types of diseases for that category. In this case it shows all the types of diabetes
- The diseases will show what members have that disease with the icons as shown above
- Also the category highlights to show you have clicked it (similar to family bio)

Family Member Table



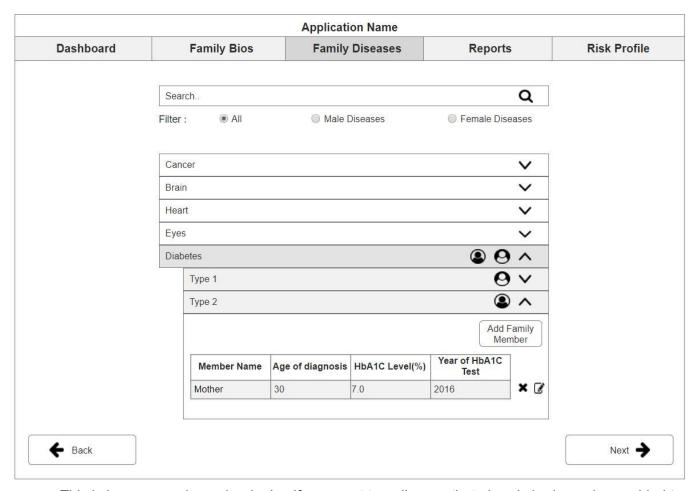
- Each disease has a table that shows all the members that have that disease. The tables would be specific to that disease in terms of info needed
- You would click add family member button to add a new row to the table

New Member Row



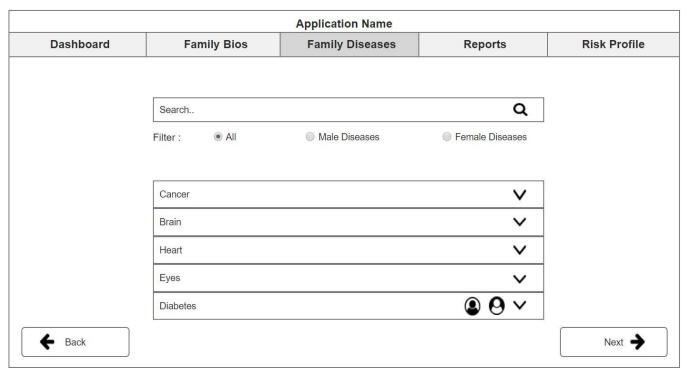
- New row looks as above where you would input the info needed and you would choose the certain family member from a list of all family members you added to the application
- Click the save button to save the info

Saved Member



- This is how a saved member looks. If you went to a disease that already had members added to it, it would look similar to this
- You can see that a new icon showed up for the disease that represents the new member added. In this case for Type 2 Diabetes.
 - The icon also shows up in the general category bar (Diabetes)
- There is a delete button (the X) next to each row of family members added. Clicking it would delete the row
- There is an edit button (the pencil) next to each row that lets you edit the info for that row

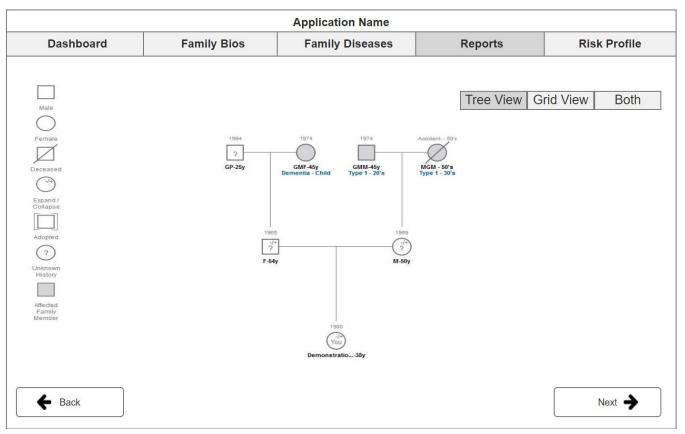
New Member Collapsed



- How the overall category would look with new family member(s) added when collapsed

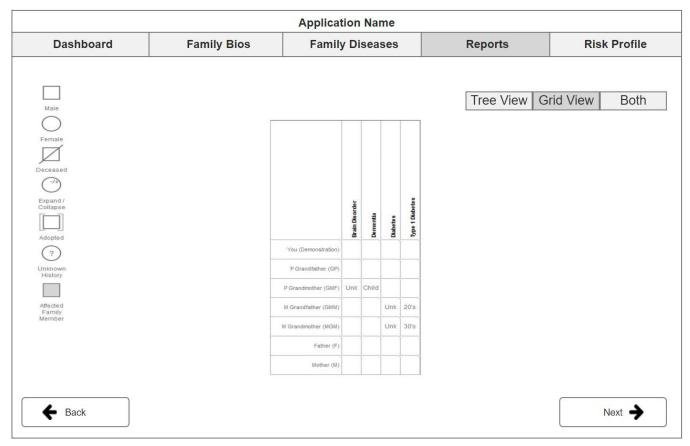
Report Page

Tree Diagram



- We didn't have to do a reports page either, we just made it for the purpose of the prototype. This is the tree view of the pedigree diagram that shows diseases

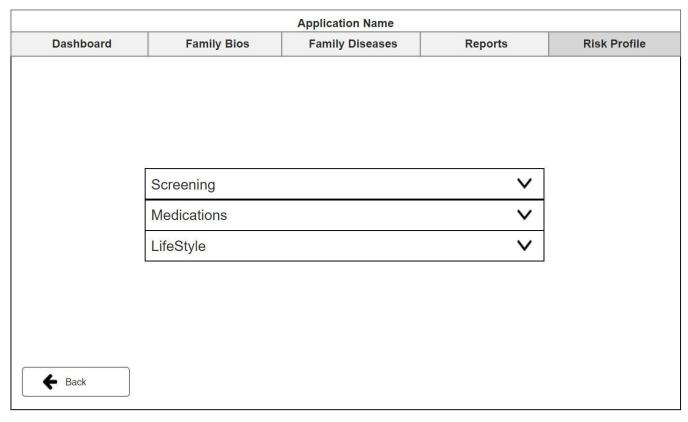
Grid View



- This is a grid view of the diseases for your family

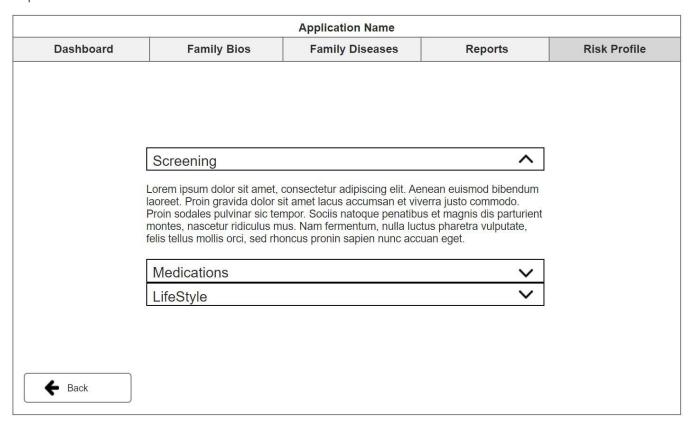
Risk Profile

Collapsed View



- We didn't have to do this risk profile page, it was created for the purpose of the prototype
- Has categories shown above with information and recommendations based on the family history

Expanded View



- This is an expanded view of one of the categories for the risk profile

Trial Run

We went through both prototypes, both static screenshots and interactive ones, and took notes on what was missing, what didn't work as planned, and what was difficult to do. Anything that we found was missing or didn't work as planned, we added and fixed for the prototypes.

Missing:

Axure Prototype

- Family Bio Page
 - Didn't update relation text for newly added family members
 - Missing Know Disease History? input in bio information box

Didn't Work As Planned (for the interactive prototypes):

JustInMind Prototype

- Navigation
 - Nav bars at the top of the screen and continue/back buttons weren't set up to navigate the prototype (for the interactive prototype)
 - Some of the other button clicks took us to the wrong page

Difficult To Do:

Both Prototypes

- Family Disease Page
 - In the actual application, there would be at least 50+ diseases to list. It would difficult to actually mock this up, so we only added about 5-8 in our wireframe for the sake of time and to get the point across

In General

- Linking the pages together to make an interactive prototype was difficult because of all the different screenshots/pages we had
- Making sure we have every button click showing the correct screenshot
- Coming up with different scenarios to go through with the prototypes to see if we missed anything