Project Title: Visualizing and Predicting Heart Diseases with an Interactive Dashboard **Project Design Phase-I - Solution Fit Template**

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1. CUSTOMER SEGMENT(S)

E.g.: Doctors can use this along with the

patients' medical data to analyze the risk of

Who is your customer?

Doctors in hospitals

heart disease.



6. CUSTOMER CONSTRAINTS

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What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.

Since we are dealing with sensitive medical data, it is not recommended for customers to self-diagnose as it is very risky. It can however be used as a tool to increase awareness regarding this issue.

5. AVAILABLE SOLUTIONS

Which solutions are available to the customers when they face the problem



or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? i.e. pen and paper is an alternative to digital notetaking

Customers can go to the doctor for a medical checkup. Based on the test results, doctors will advise them

Explore AS differentiate

2. JOBS-TO-BE-DONE / PROBLEMS



Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.

Visualizations give doctors very good insights on the potential chances for a patient to get heart disease. It is also very useful to explain to patients so that they can easily understand the risk factor and take care of themselves to reduce the likelihood of getting heart disease.

9. PROBLEM ROOT CAUSE

problem exists? What is the

do this iob?

decisions

back story behind the need to

i.e. customers have to do it because of the change in regulations.

to help doctors make informed

Not storing and analyzing data properly

What is the real reason that this



7. BEHAVIOUR



What does your customer do to address the problem and get the job done?

i.e. directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)

organized and sequential order like from the start so that is ready to be

Ensure data is stored in an an excel sheet for example right used for analysis.

3. TRIGGERS



What triggers customers to act? i.e., seeing their neighbor installing solar panels, reading about a more efficient solution in the news.

Patients who have a history with heart disease or those patients who are currently experiencing similar symptoms to those who have heart disease.

4. EMOTIONS: BEFORE / AFTER



How do customers feel when they face a problem or a job and afterwards?

i.e. lost, insecure > confident, in control - use it in your communication strategy & design.

Feeling afraid and depressed. Develop a feeling of awareness which mean people

10. YOUR SOLUTION



If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality.

If you are working on a new business proposition, then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behavior.

To clean data and provide visualizations to help doctors in their diagnosis of patient as well as make customers more aware of this issue.

8. CHANNELS of BEHAVIOUR



8.1 ONLINE

What kind of actions do customers take online? Extract online channels from #7

8.2 OFFLINE

What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.

ONLINE: Users look at the data and compare it with their test results

OFFLINE: Doctors use it as a tool to diagnose patients and make accurate predictions.