Project Title: Visualizing and Predicting Heart Diseases with an Interactive Dash Board

Project Design Phase-I - Solution Fit Template

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Define CS, fit into CC

1. CUSTOMER SEGMENT(S) — CS

- Hospitals
- Health Care Centres
- Any medical agencies that prescribe the medicines based on the condition and treat the patient

6. CUSTOMER CONSTRAINTS — CC

- There is no awareness about the various modern technologies
- Budget
- Interactive Dashboards
- No Accuracy in prediction
- Network connection
- Need of Dataset

5. AVAILABLE SOLUTIONS — AS

- The patient can prefer manual prediction
- There are instruments available which can predict heart disease but either they are expensive or are not efficient to calculate chance of heart disease in human

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

- Standard of Data.The outcome is fully depends on the accurate and reliable dataset
- Visualising and predicting Heart disease

9. PROBLEM ROOT CAUSE — RC

- Increasing in Heart disease will not be identified firstly is the major reason
- Difficulty in predicting heart disease
- There is a possibility of considering every heart disease as same.
- There is no idea about relation between similar heart disease

7. BEHAVIOUR — BE

- The customer need accurate result for the various datasets
- They try the interface for overcoming the problem but then if they find it complicate or not efficient enough,they stop using it.

Focus on J&P, tap into BE, understand RC

3. TRIGGERS

TR

- There are only a few ways for handling the large number of datasets and that's why the root cause of heart disease cannot be found out.
- Similarity of heart disease has not identifiable

10. YOUR SOLUTION

SL

With the technology of AI/ML to predict and visualize diseases by the IBMcognos analytics tools to create an interactive dashboard for the patient.

8. CHANNELS of BEHAVIOR

CH

8.1 ONLINE

- Upload data
- Prepare data
- Exploration of data
- Visualization of dataset

8.2 OFFLINE

- Data Collection
- Data preprocessing

4. EMOTIONS: BEFORE / AFTER

EM

Before : There is huge uncertainty in knowing the accurate and correct reason for a diseaseand predicting it.

After : There is a large chance for identifying and understanding heart disease which givesthe great outcome.