Project Title: Visualizing and Predicting Heart Diseases with an Interactive Dashboard

Project Design Phase-I - Solution Fit

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Define CS, fit into CC

1. CUSTOMER SEGMENT(S)

- Hospitals
- Clinics
- Research purposes
- Medical practicians in need of it.
- Other medical agencies, in order to make appropriate medicines

6. CUSTOMER CONSTRAINTS

CC

Main constraint is when people are unaware of accessing dashboard or making one and even not aware of ML/ python/ AI concepts.

5. AVAILABLE SOLUTIONS

- Customers can prefer manual calculation which is very tedious.
- Can also go for manual entering datasets for visualizing using ML/ AI.

Explore AS, differentiate

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

2. JOBS-TO-BE-DONE / PROBLEMS

J&P

Correctness of the data is important. The degradation in the quality of the data that has been given as the source value, surely there will be a degraded result thus creating a contradiction on the whole survey which could cost everything.

9. PROBLEM ROOT CAUSE

RC

- Prediction of heart diseases
- There might be errors in predicting the type of heart diseases.
- Difficulty in distinguishing the heart diseases.

7. BEHAVIOUR

BE

- Generating legitimate and reliable dataset.
- Customers need to collect more number of datasets for accurate results.
- Must obtain the knowledge to know the difference in the datasets.

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

Identify strong TR & EM

3. TRIGGERS

TR

- When the similarity in the heart disease were not identifiable.
- Handling huge datasets in a wrong way and inferring a wrong outcome.

4. EMOTIONS: BEFORE / AFTER

EM

Before:

Ambiguous when attending to large datasets and not knowing what it infers.

After:

Easy to study the types of heat diseases and could infer its outcome without any struggle.

10. YOUR SOLUTION

SL

With the help of ML/AI we are able to create, predict and visualize a dashboard for different types of heart diseases with the help of Cognos Analytics Tool thus the different types of hear diseases can be analysed and used for further predictions.

8. CHANNELS of BEHAVIOUR

CH

ONLINE

- Visualizing of data
- Exploration of data

OFFLINE

- Cleansing of data set
- Collecting and notify datasets.

Identify strong TR & EM
