

Project Design Phase 1 – Problem Solution Fit

Project Domain	Data Analytics
Project Title	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
Team ID	PNT2022TMID01568
Date	5th Oct 2022

Problem Solution Fit:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem

Step-1: Business Problem

Business Problem

What business have you identified that needs help?

The healthcare environment is still information rich but knowledge poor

The predicted results can be used to prevent and thus reduce cost for surgical treatment and other expensive

The opportunities to improve care and reduce costs concurrently could apply to as much as 30% of overall healthcare spending

Step-2: Business Outcomes

Business Outcomes

(Changes in customer behavior)

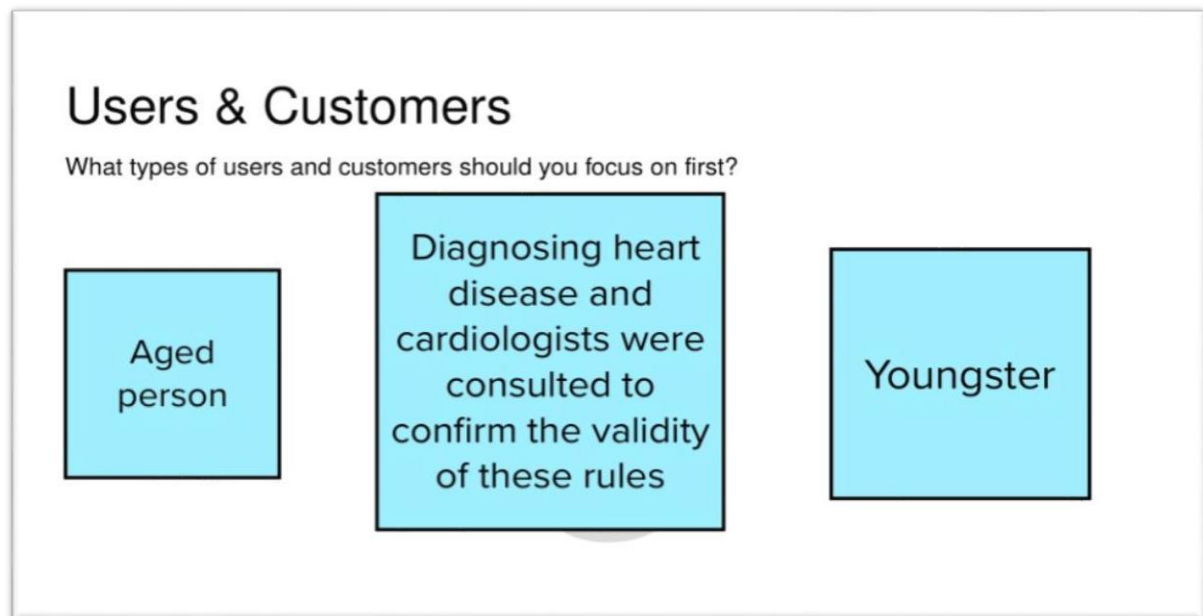
What changes in customer behavior will indicate you have solved a real problem in a way that adds value to your customers?

A summary of successful heart disease and stroke prevention programs in different worksite and health care settings.

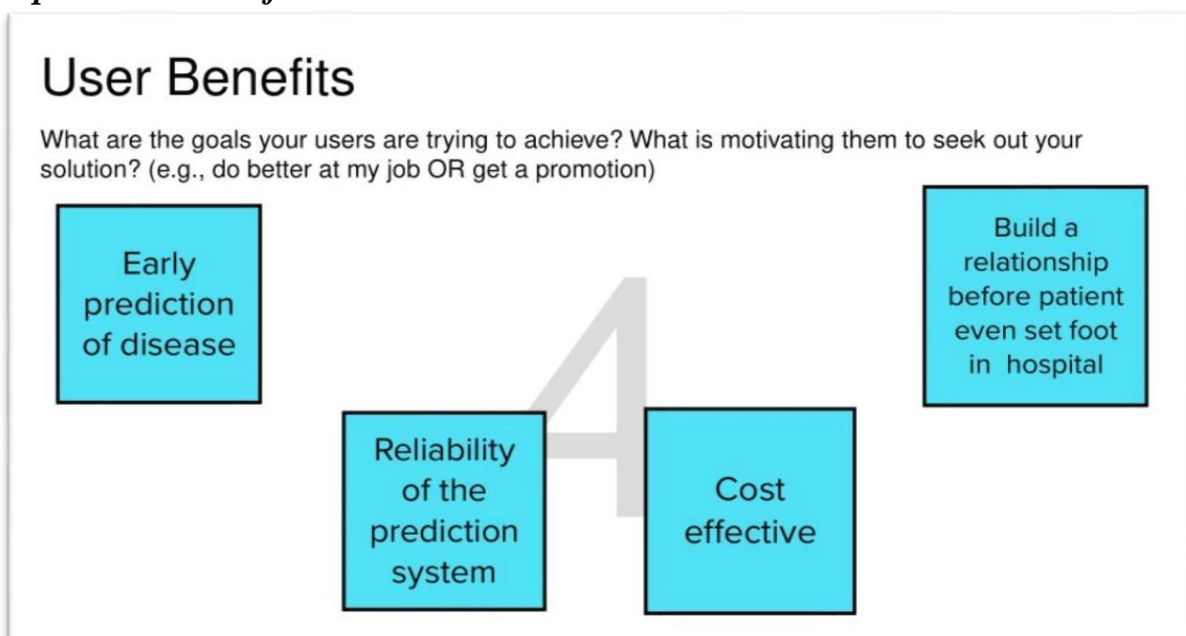
Definitions and business terms related to heart disease and stroke prevention and disease management.

To help employers choose and negotiate a health benefits package that fits their business and workforce.

Step-3: Users & Customers



Step-4: User Benefits



Step-5: Solution Ideas-1

Solution ideas

List product, feature, or enhancement ideas that help your target audience achieve the benefits they're seeking.

Management
of heart
failure

Improve
quality of
care

Improve
emergency
response

Step-6: Solution Ideas-2

Solution ideas

Combine the assumptions from 2, 3, 4 & 5 into the following template hypothesis statement:
“We believe that [business outcome] will be achieved if [user] attains [benefit] with [feature].”

Each hypothesis should focus on one feature.

We can believe that increased satisfaction to the Heart patients

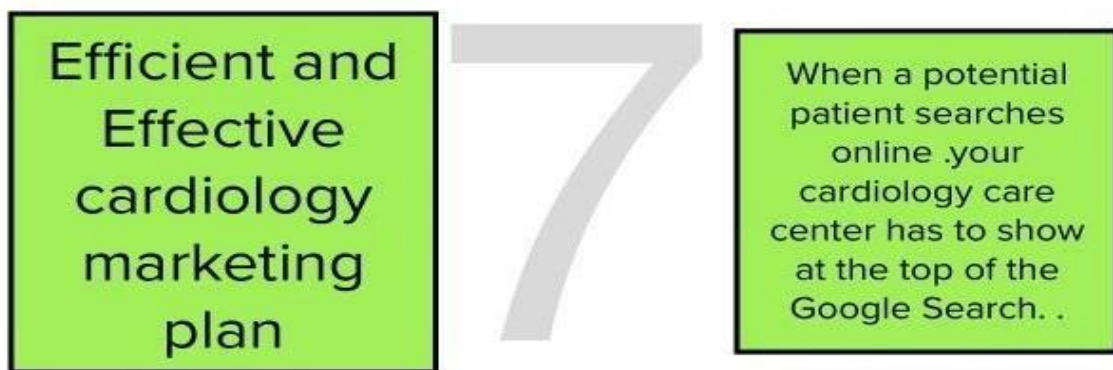
We can predict the Heart disease before Emergency.

We can believe that any issue can be clarified by 24/7 Experts.

Step-7: What's the most important thing we need to learn first?

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List product, feature, or enhancement ideas that help your target audience achieve the benefits they're seeking.



Step-8: What's the least amount of work we need to do learn the next most important thing?

What's the least amount of work we need to do to learn the next most important thing?

Brainstorm the types of experiments you can run to learn whether your riskiest assumption is true or false.

