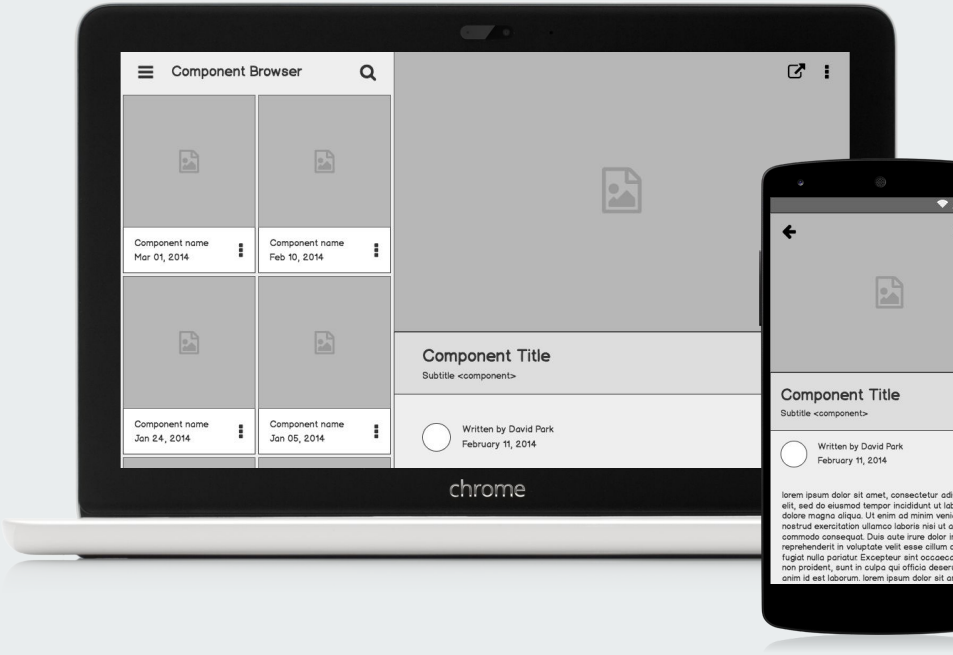
Team algoHERithm

Azure Women's Hackathon 2022



Outline

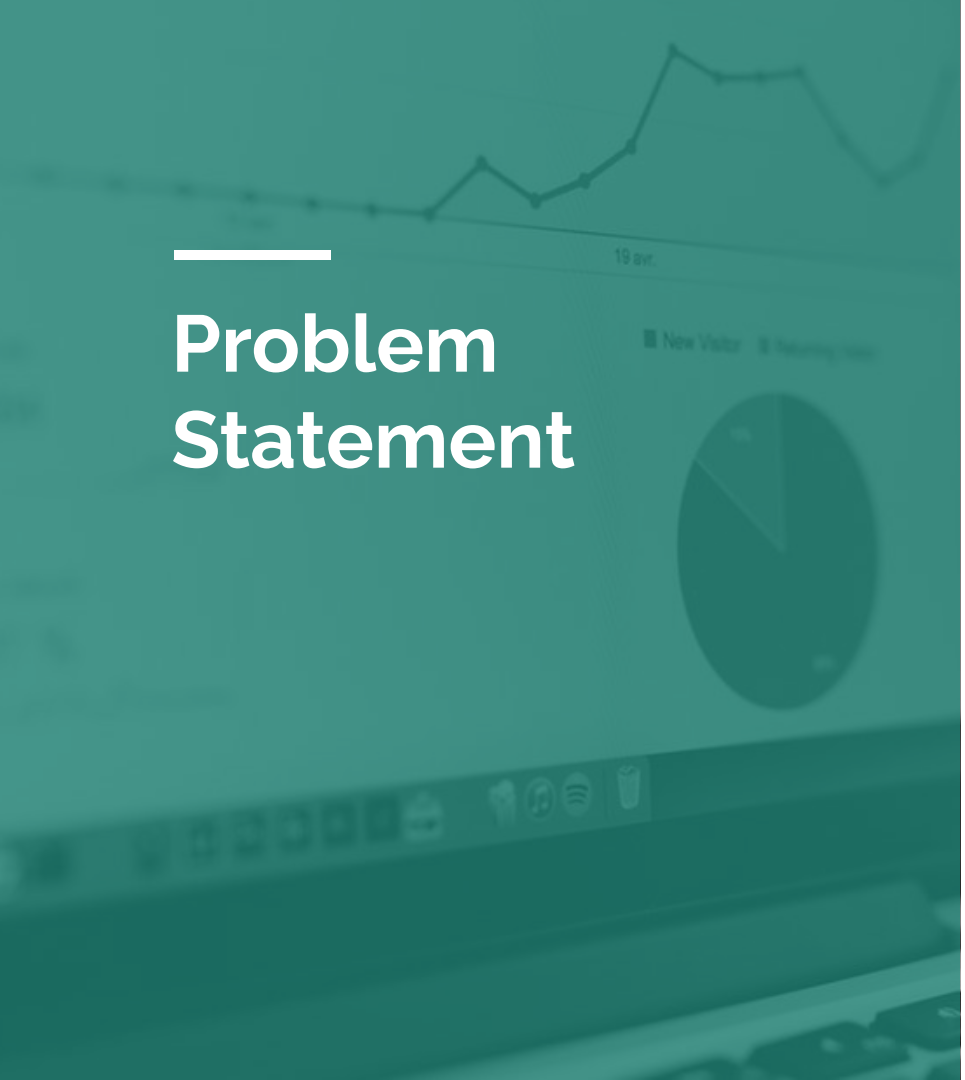
The Problem

Proposed Solution

Implementation of Solution

Future Scope

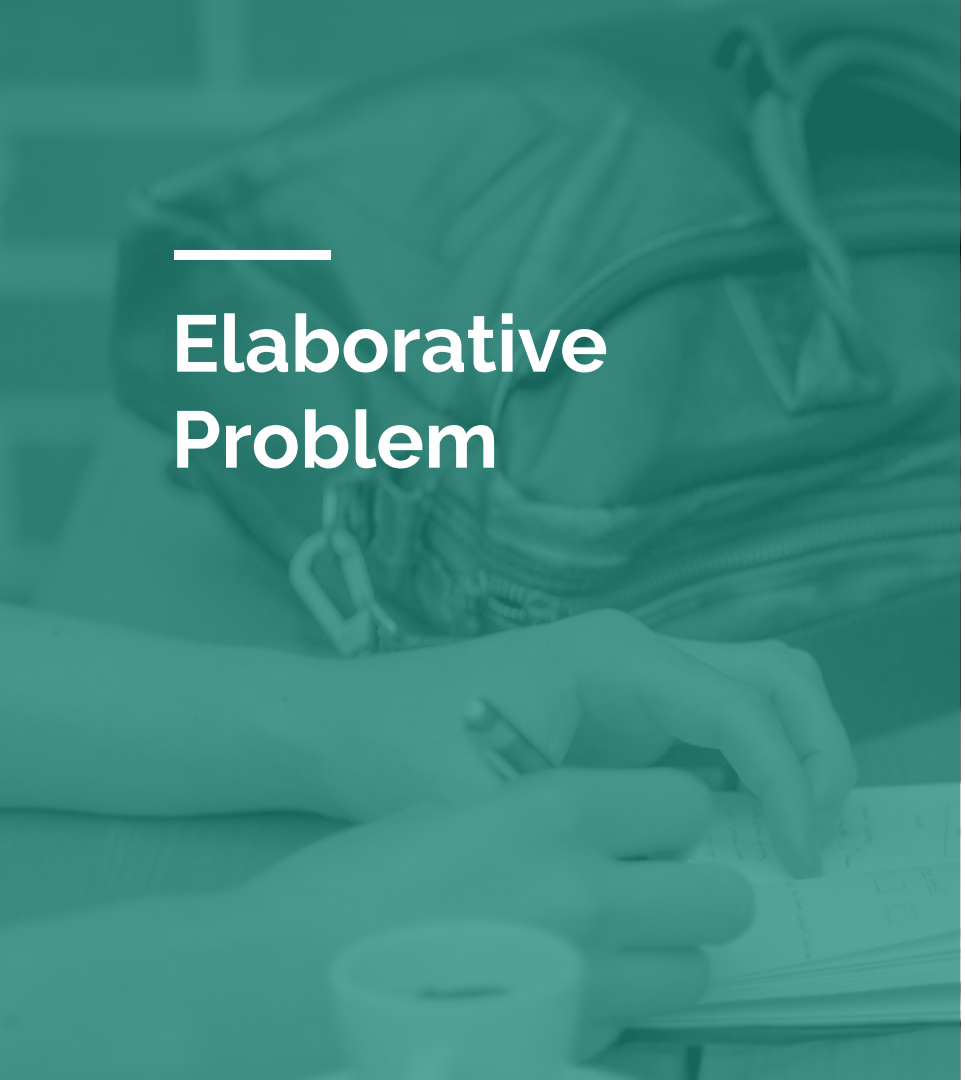
The Problem



Problem Statement

Women are an underrepresented group in the STEM field. Only 20% of tech jobs are being held by women.

55% of women express that enrolling in relevant upskilling is important at an individual level



Elaborative Problem

Women - Health and Safety

- Health: Without good health no achievements can be made
- Safety: In a safe environment a women will feel more confident to come forward

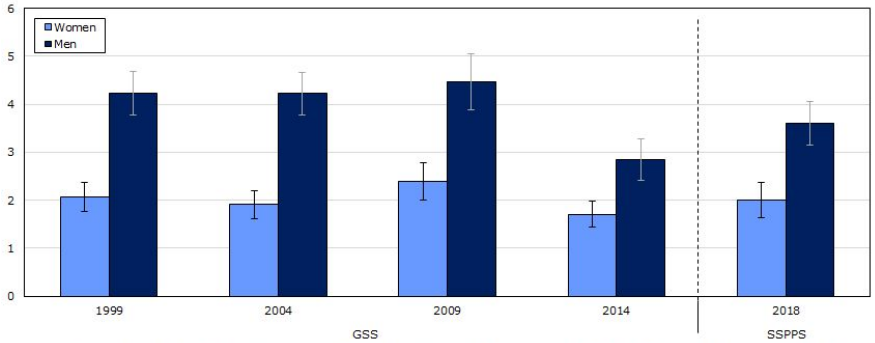
Women over the world with hypertension

Reference: www.google.com

Crimes against women yearly

The number had initially been increasing and now reducing slowly

Chart 7
Self-reported physical assault in the past 12 months, by gender of victim, provinces, 1999, 2004, 2009, 2014, and 2018



Source: Statistics Canada, General Social Survey (GSS) on Canadians' Safety (Victimization) 1999, 2004, 2009, and 2014 and Survey of Safety in Public and Private Spaces (SSPPS), 2018. The 2019 GSS on Victimization is currently underway.

Solution Proposal

Solution description

The 2 utmost important aspects to encourage women and bring out their best is by:

1. Having a healthy life
2. Providing a safe environment

Why it’s better than existing solutions

There are many other problems which women face while on their paths to success.

But it boils down to these 2 broad factors: Health and Safety

These 2 are the basic necessities

They are encouraging enough to bring out the best out of females

Implementation of Solution

For health: we will use ML to predict if a women is healthy or not

For this we will use Azure AI Fundamentals for ML

Dataset will be from Kaggle

For safety: we will use ML to predict safety level of a women

For this we will use Azure AI Fundamentals

Dataset can be data collected through survey forms

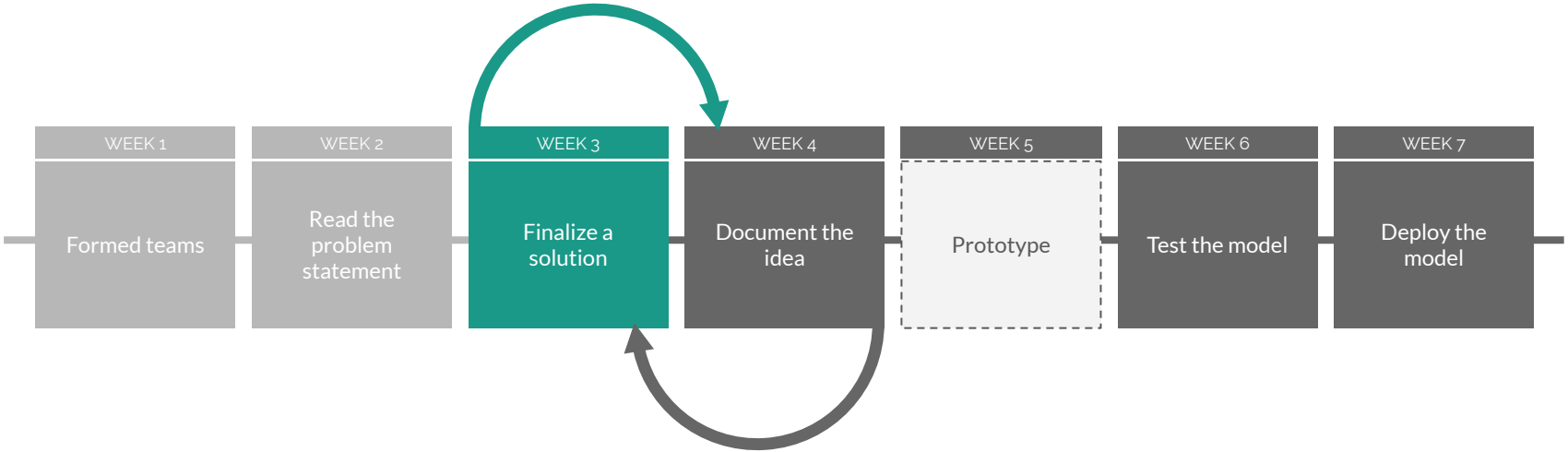
Balsamiq Tip | Information architecture is the flow of content across the site or application (more info).

Next Steps

What next?

- ➔ Perform Exploratory Data Analysis
- ➔ Use Azure services to build ML model
- ➔ Deploy the model using Azure

Timeline


WEEK 1
Formed teams
WEEK 2
Read the problem statement
WEEK 3
Finalize a solution
WEEK 4
Document the idea
WEEK 5
Prototype
WEEK 6
Test the model
WEEK 7
Deploy the model

References

Tips for Presenting Your Wireframes

3 Steps to Better UI Wireframes

Wireframing for Beginners