SMART AGRIGATOR

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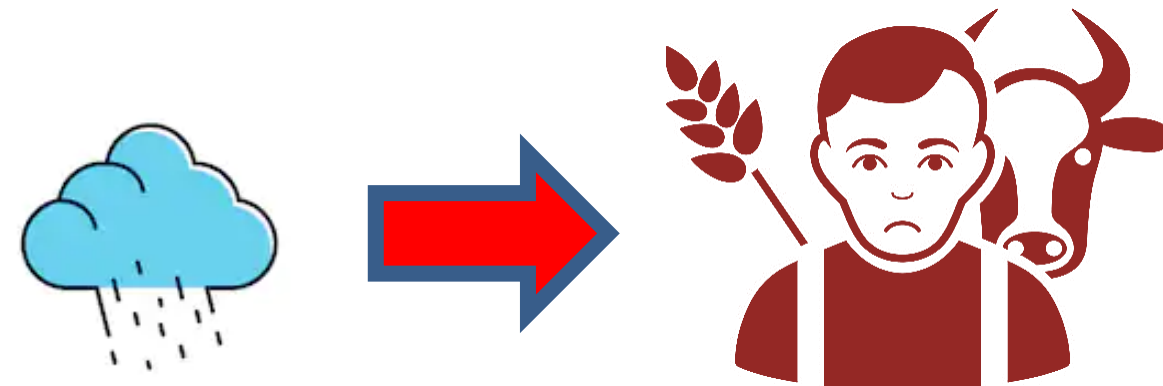Dept. of Computer Science Engineering, Bennett University, India

By Famous Five

Introduction

The aim of this project is to enhance the Agriculture department of the country by helping the farmers in best possible way to stop crop failure , suicides . All the basic information required for a crop harvest will be available to them on one click .

Problem

Life of a farmer is arduous and so much laborious that their whole life is passed in thinking about how to get a successful crop . Unseasonal rains and hailstorms ravage crops resulting in economic crisis upon them

Solution

We will basically be making a web-application that will provide all the information a farmer needs for a good crop harvest.

FARMING EQUIPMENT

Application will help farmer with multiple factors like machinery ,equipment , soil type .This will help reduce crop failures , less loans with easy to use interface
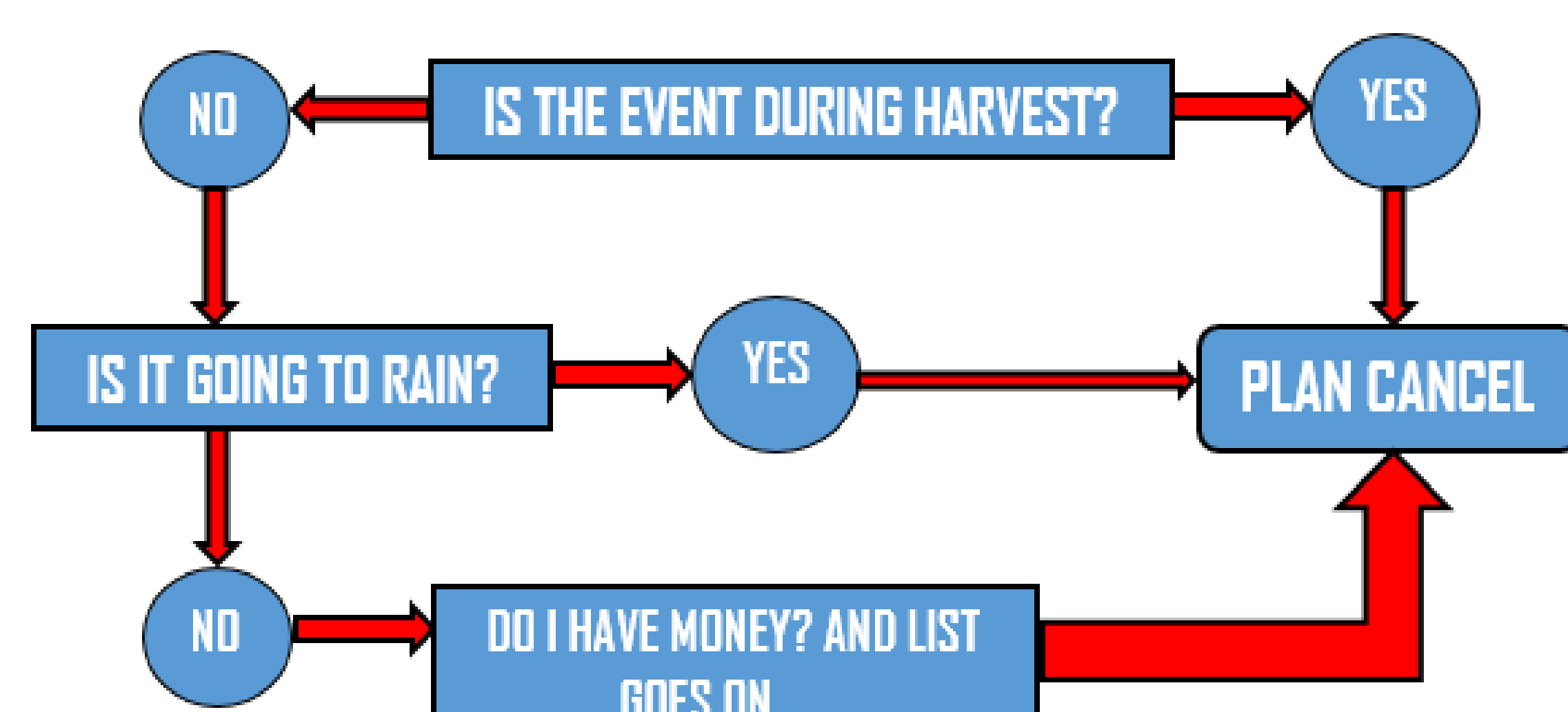
Techniques Utilized

Project will be a java language based and backend coding of everything will be done using java language by using swing feature .
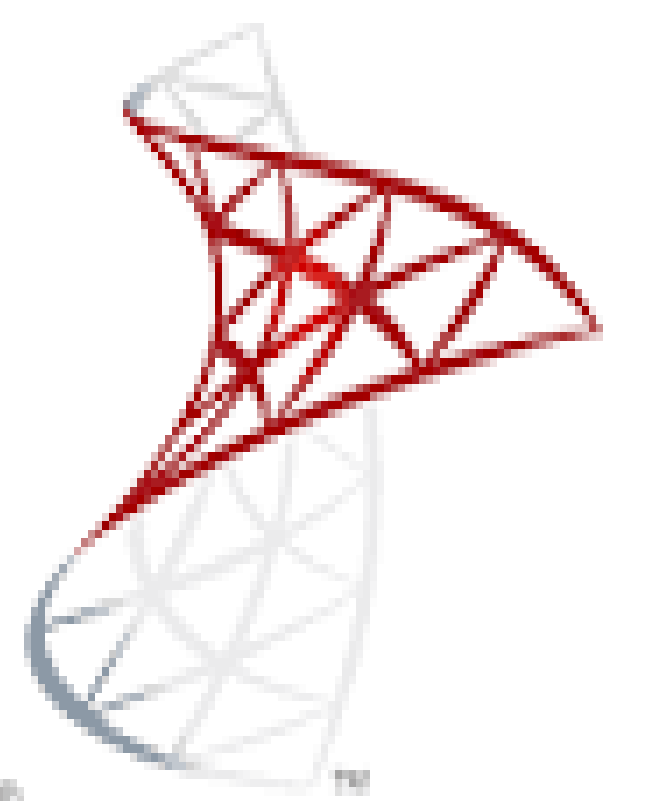
SWING

NetBeans.IDE
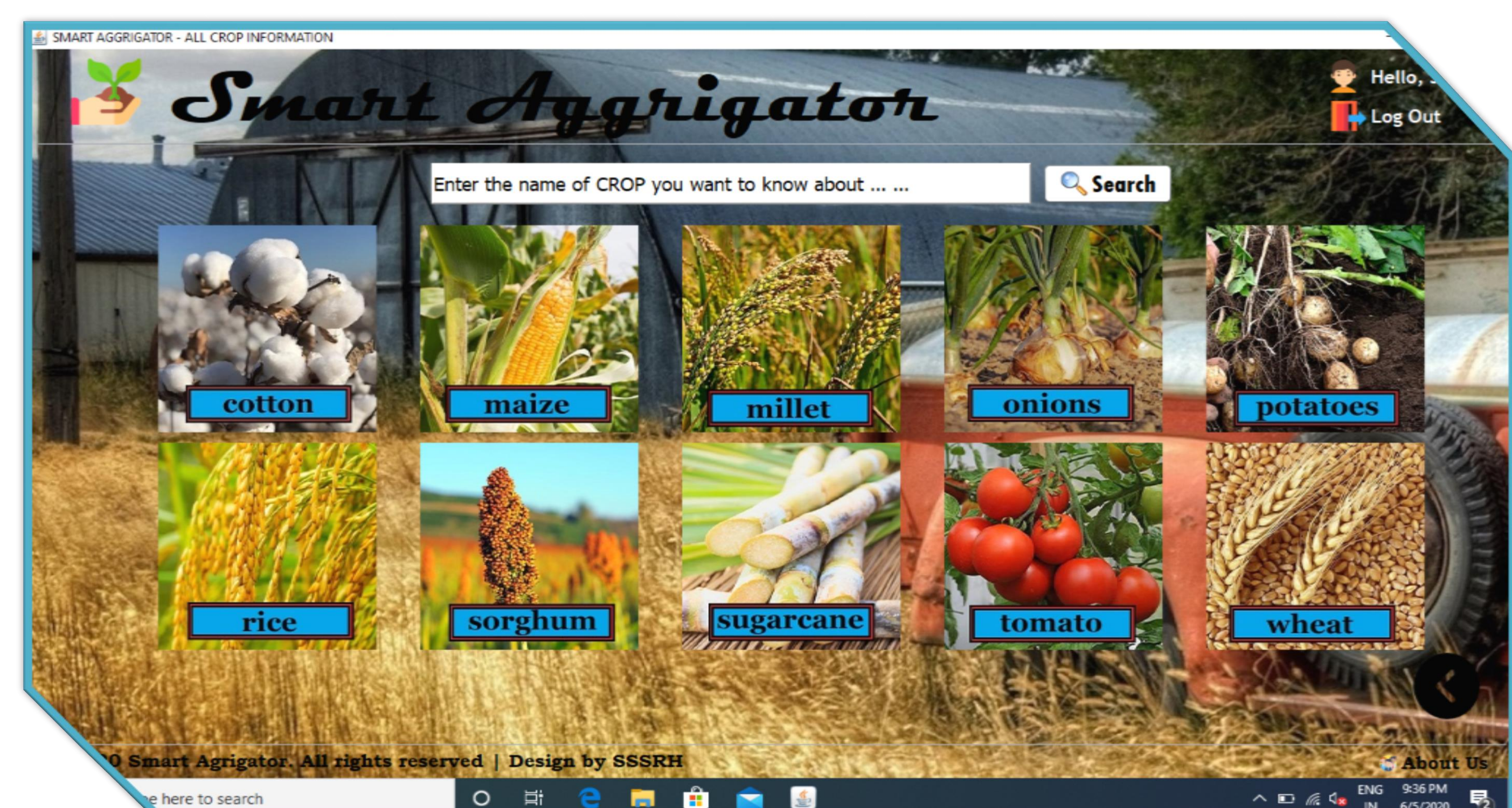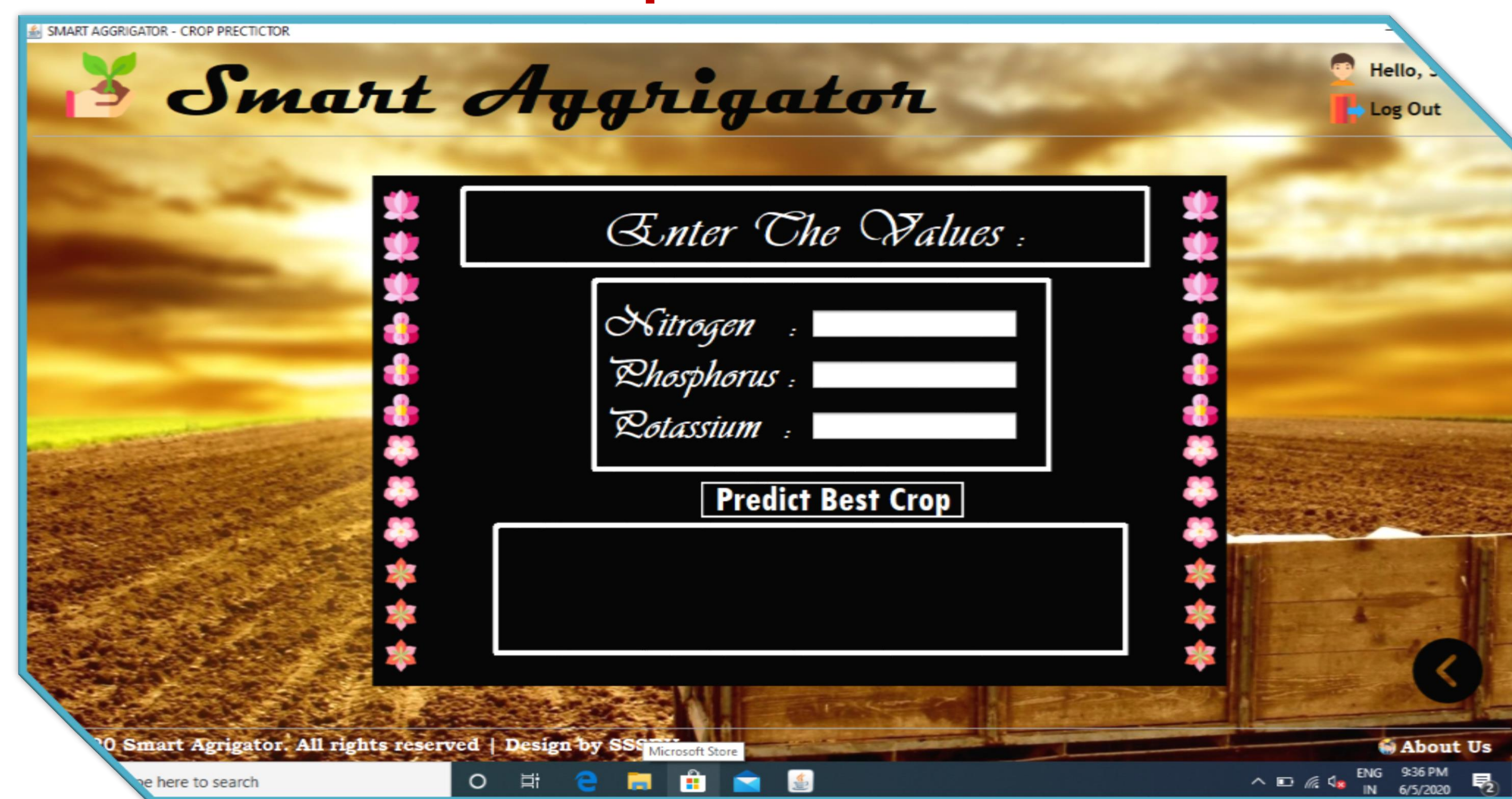
Database linking required for crop information syncing .

Will be using NetBeans ide for creating web-application

Basic frond end for indexing the buttons will be done using Xml language

Microsoft SQL Server

User Interface/Demo Snapshots

TABLE 1. CROP INFORMATION

1. Crop Type	2. Temperature (Celsius)	3. Soil type	4.Water need(mm)
Rice	15-27	Heavy-clayey	900-2500
Wheat	12-25	Well drained light/heavy clayey	450-650
Pulses	20-27	Sandy-Loam	400-650
Cotton	18-27	Well drained Loam	700-1300
Sugarcane	20-35	Well-drained alluvium	1500-2500

Fig. 1. Life Of a Farmer

Conclusion

Project will therefore have a very well developed , easy to use interface , and project will help farmers with simple buttons clicks , and regular updates will also be done to ensure there is no failure for production of crops based on the current environment . The Project conclude with a simple mindset of not being profit minded and only raising a hand to help for the development of agriculture department .

Future Work

Future work will be to bring this web-application to android and IOS system therefore reaching out to more people also helping out in the marketing of the product .