

SMART AGRIGATOR

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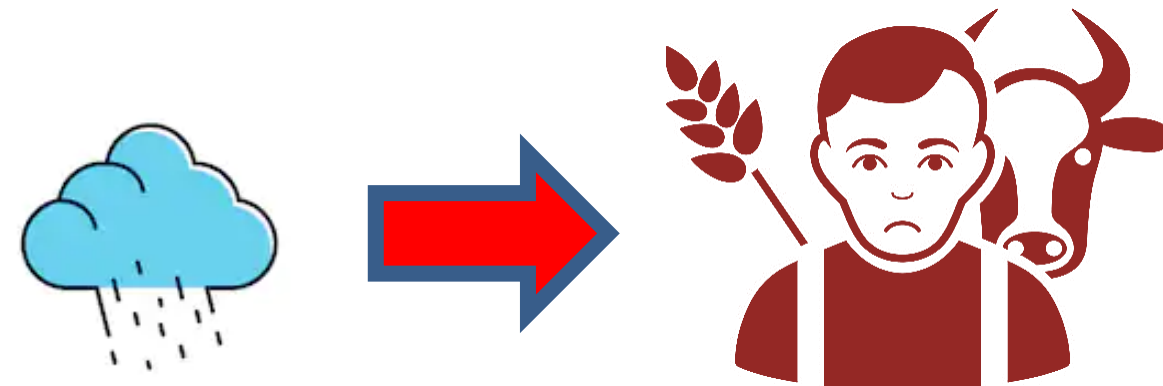
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Introduction

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.



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



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

Techniques Utilized



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

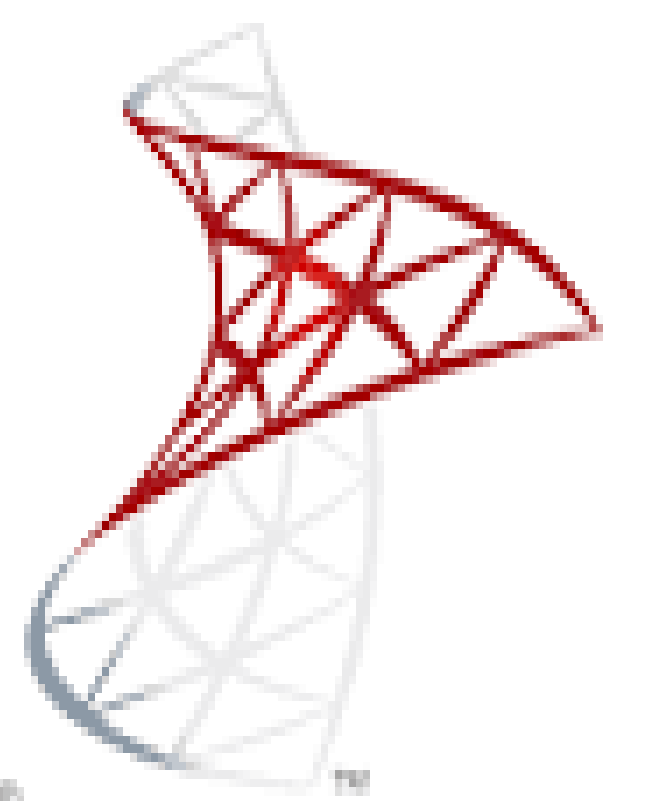
SWING



Database linking required for crop information syncing .

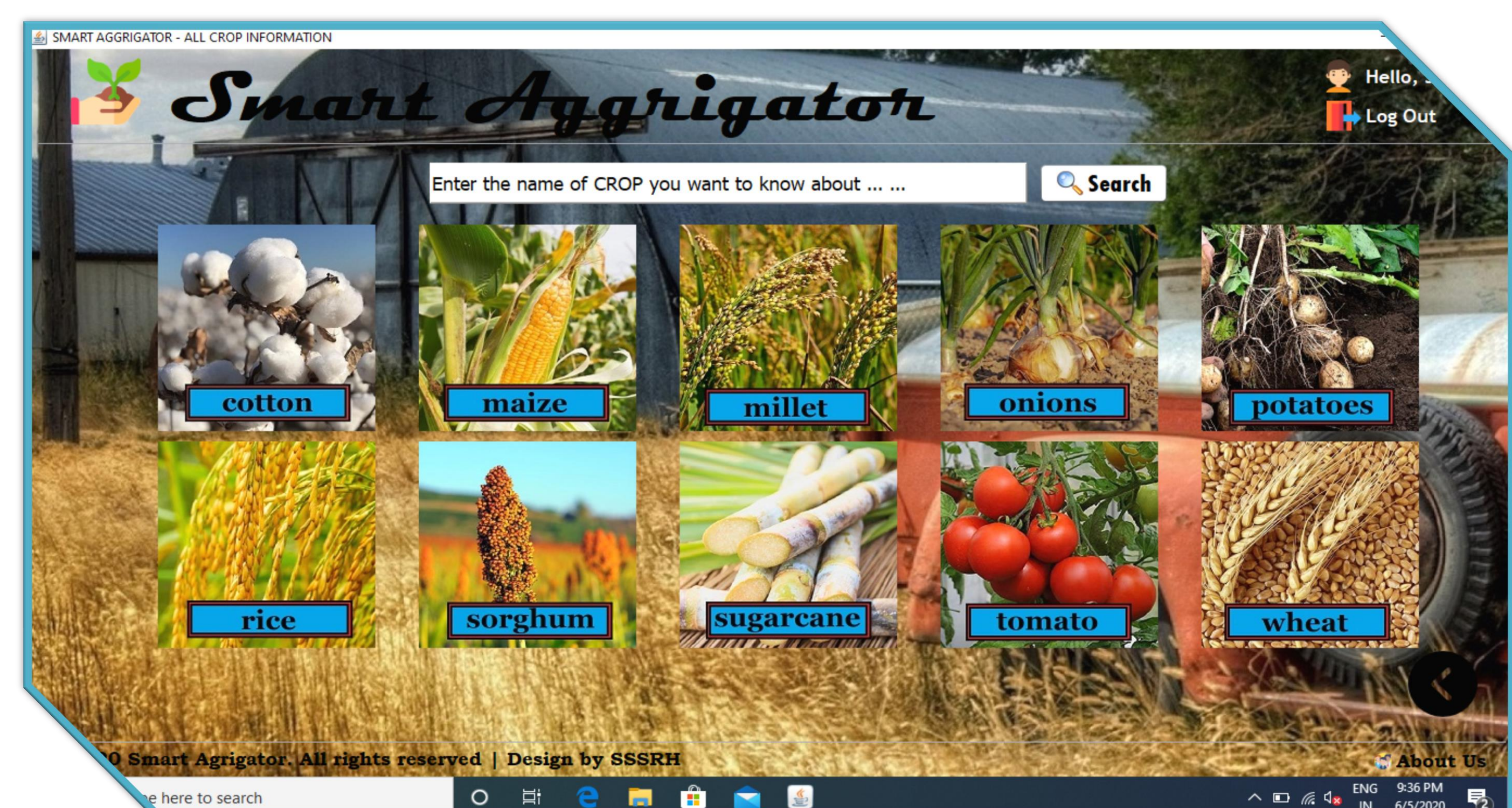
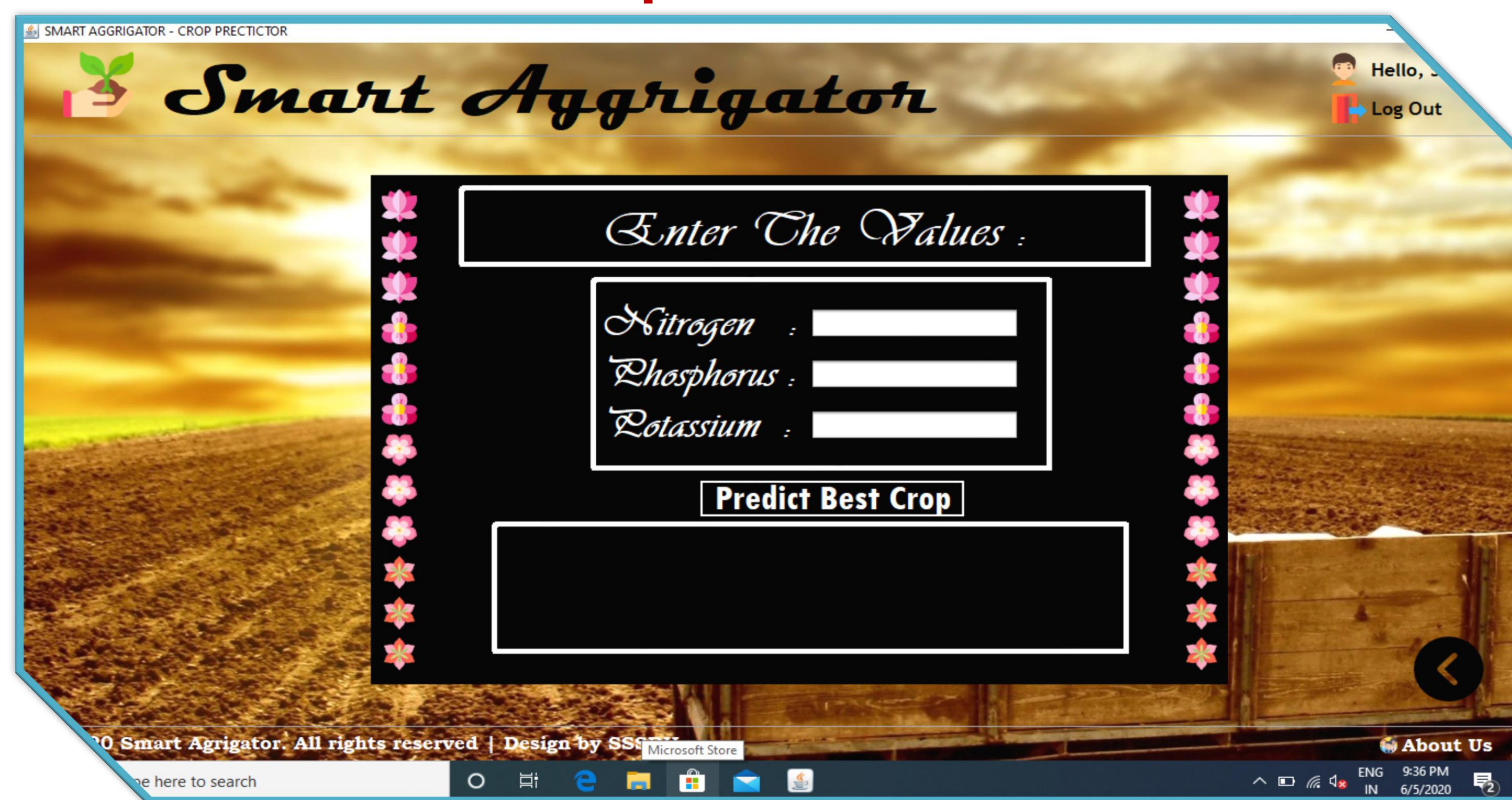
Basic frond end for indexing the buttons will be done using Xml language

Will be using NetBeans ide for creating web-application



Microsoft®
SQL Server

User Interface/Demo Snapshots



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 .



Fig. 1. Life Of a Farmer

