**Diabetes Prediction App**

1. **Input data from User:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Data field** | **Unit** | **Range** | **Remark** |
| 1 | Gender |  | Male/ Female/ Transgender |  |
| 2 | Glucose level | Oral glucose tolerance test | 1. 200 |  |
| 3 | Blood pressure | (systolic/ diastolic pressure) mm Hg |  | We just using diastolic now, but take both |
| 4 | Skin thickness | (triceps skinfold thickness) mm | 1. 60 |  |
| 5 | Insulin | (2 hours serum insulin ) mu U/ ml | 1. 250 |  |
| 6 | Body mass index |  |  |  |
| 6.1 | Weight | Kg | 10- 250 |  |
| 6.2 | Height | m | 0.5- 2.5 |  |
| 7 | Age | years | 1. 100 |  |

1. **Admin side**
2. All the graphs and should be visible to see project health.
3. Feedback understand: Get recent to old(Bad/ average/ good) feedbacks
4. **Testing account**

Where we can enter the data and which will not get saved into DB. And we can check the actual accuracy of project.

1. **DB**

Tables:

1. User Data: Id, name, Category, mobile number, gender, email address
2. Data: userId, pregnancy, Glucose level, systolic, diastolic, Skin thickness, Insulin, weight, height, bodyMassIndex, age, ourReslut, doctorResult
3. Feedback: userExperience, Accuracy, Suggetions
4. **Enhancement**

Have plane to enhancement. To track the health data of person. Which tell person his life style and health details.

1. Track person’s health data plot a nice chart and show
2. Use track record to help person to suggest diet and exercise.
3. Hospitals/ Organizations platform to keep patients/ employees/ clients’ health data.
4. Project Diagram

Mobile App/ Client

Business Layer/ Backend

Answer Yes/No

Graphs

Get latest stored model from DB and find Yes/ No answer

Whole DB data

Project health

User feedback

Data store

DB

Data store

User 7 inputs

Models

Entity Framework

API handler (C#) code

Choose best model

Create model

ML code (python)