

Diabetes Management Web Application

Introduction

- Diacare is a user-friendly tool designed
- Tracking and analyzing key health indicators, setting reminders, and generating reports
- Our application aims to improve the quality of life for those living with diabetes.

Objective

- To investigate the limitations and challenges of diabetes management in existing diabetes management technology among the population
- To develop a comprehensive web application which provides diabetes management features that satisfy the current demands.
- To improve the current issues of diabetes management

Literature Review

	diaCare	mySugr	diabetes:M
medication reminder	✓	✗	✗
Customize report	✓	✓	✓
Calender	✓	✗	✗

Methodology

Rapid Application Development

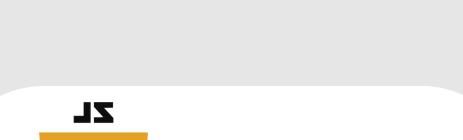
Requirement Planning



User Design



Construction



Front-end



Back-end



Cutover

Unit Testing

Functionality

Usability

Manual

System Testing

Integrity Testing

Achievement

HOME PAGE

- Create record
- Overview types of diabetes

CALENDAR PAGE

- Manage event
- Drag and drop event
- Delete event
- Resize event
- Email , notification

PROFILE PAGE

- View,edit,delete profile
- Add, delete medication
- View today's event
- Reset password
- Delete account
- Logout

RECORD PAGE

- Record health data
- Blood sugar level
- Blood pressure
- Insulin doses
- Food intake
- Body weight
- Medication intake

LOGIN/SIGN UP PAGE

- Register account
- Login account
- Reset password

FEEDBACK PAGE

- Contact
- Social media
- Feedback form

ADMIN&SUPERUSER PANEL

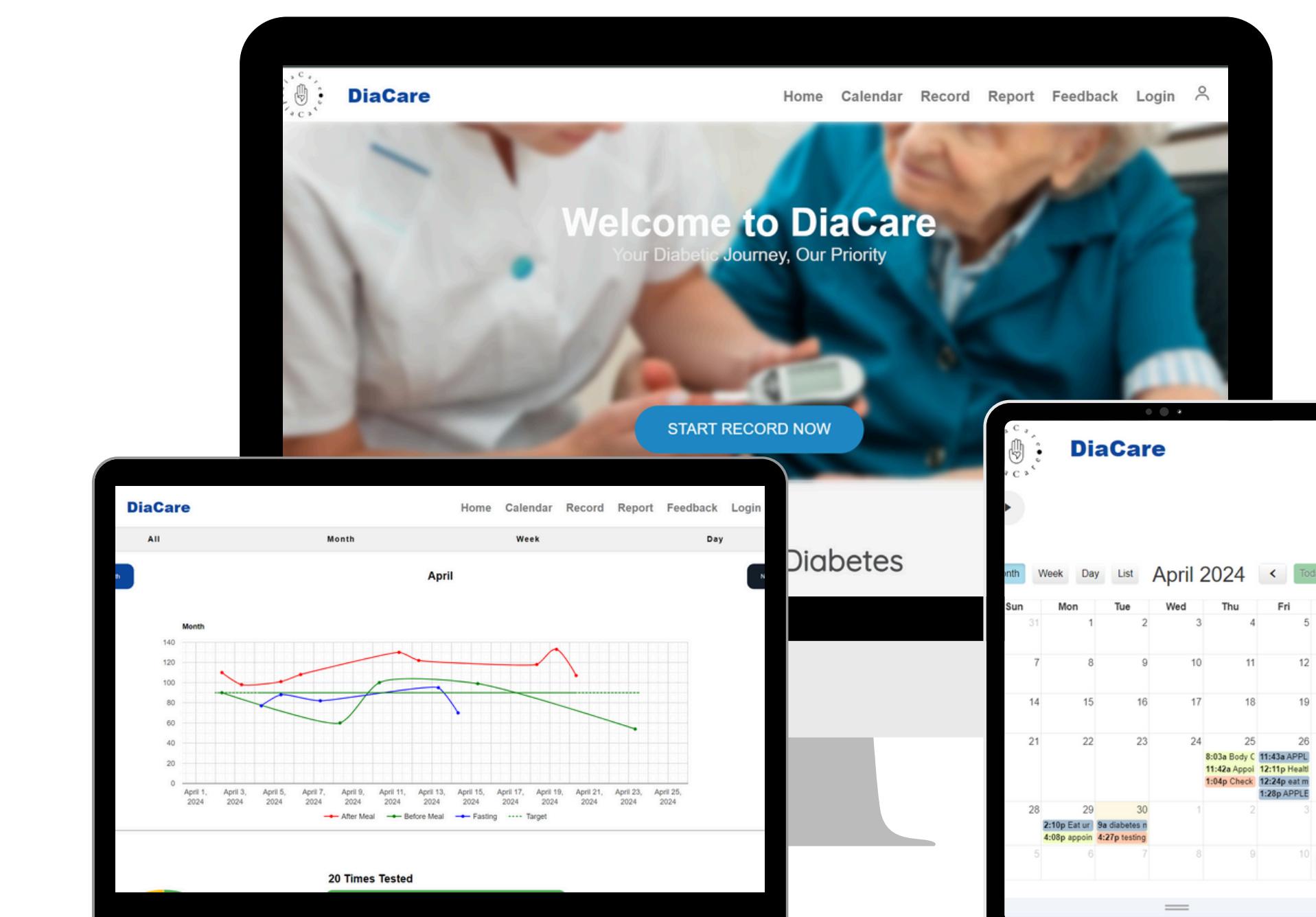
- Edit, delete, search user
- View feedback
- Edit, delete, search admin
- Manage profile

REPORT

- Overview blood sugar graph
- Generate pdf
- Log section

Final Product

www.diacare.com



Conclusion

- Successfully developed with meet all the objectives in our initial plan, key functions
- Continue to work on improving the web app
- Adding new features to improve the overall user experience in the future

Future Works

Implement machine learning algorithms

Integrate wearable devices

