

# Project Baseline

## 1 Login Page

The login page features a white central card on a light gray background, framed by purple header and footer bars. The card contains the MAZNA Tech logo, the app's purpose, input fields for username and password, a sign-in button, and a link to create a new account.

MAZNA Tech  
Diabetes App for Kids!

Username

Password

No Account Yet?  
[Create here](#)

Sign In

### User Inputs

- Username – *Required*
- Password – *Required*

### User Actions

- Click “Sign In”
- Click “Create here”, redirects to Create Account page

### User Cases:

- The user must input all required fields, else cannot sign in.

### Session

- Keep Username and FirstName variables in session

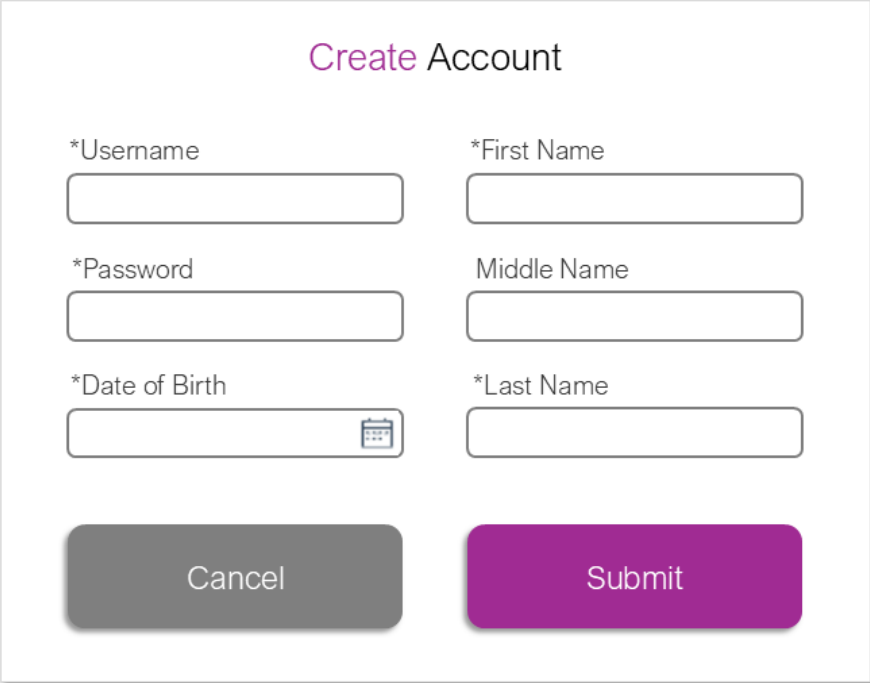
### System Outputs

- Display the JSON response [Message](#) from the API via message box

### Backend API

- validateUserLogin

## 2 Create Account Page



The image shows a 'Create Account' form centered on a light gray background, framed by purple header and footer bars. The form is a white rectangle with a thin gray border. At the top, the title 'Create Account' is displayed in a purple font. Below the title, there are six input fields arranged in two columns. The left column contains three fields: '\*Username', '\*Password', and '\*Date of Birth'. The right column contains three fields: '\*First Name', 'Middle Name', and '\*Last Name'. The '\*Date of Birth' field includes a small calendar icon on its right side. At the bottom of the form, there are two buttons: a gray 'Cancel' button on the left and a purple 'Submit' button on the right.

Create Account

\*Username

\*First Name

\*Password

Middle Name

\*Date of Birth

\*Last Name

Cancel Submit

### User Inputs

- Username – *Required*
- Password – *Required*

### System Outputs

- Display the JSON response [Message](#) from the API via message box

- First Name – *Required*
- Middle Name – *Optional*
- Last Name – *Required*
- Date of Birth – *Required*

#### **User Actions**

- Click “Submit”
- Click “Cancel”, redirects to Login page

#### **User Cases:**

- The user must input all required fields, else cannot create account.

#### **Backend API**

- createUserAccount

### 3 Main Menu Page

Logout

Hello **Robby**!

How can I help you today?



My Sugar & Insulin

My Charts

My Achievements

#### User Actions

- Click “My Sugar & Insulin”, redirect to My Sugar & Insulin page

#### Form Load

- Logged in Username and FirstName from Login Page

- Click “My Charts”, redirects to My Charts page
- Click “My Achievements”, redirects to My Achievements page
- Click “Logout”, logs out the user and redirect to Login page

**User Cases:**

- None

**System Outputs**

- None

**Backend API**

- None

## 4 My Sugar & Insulin Page

Entry Date



[Go to Main](#) | [Logout](#)

### Time of Day



Morning



Afternoon



Evening

### Blood Glucose Readings

mg/dl

mg/dl

mg/dl

### Insulin Dosages

units

units




units

Clear

Submit

Entry Date

Time of Day



units

units

units

Your entry has been saved!

Summary Findings

- Your morning blood glucose is on borderline level. Consult a doctor as soon as possible.
- Your afternoon blood glucose is on very low level. Seek medical attention immediately.
- Your evening blood glucose is on normal levels. No action needed.

Close

Go to Main

Logout

#### User Inputs

- Entry Date – *Required*
- Morning Blood Glucose – *Required*
- Afternoon Blood Glucose – *Required*
- Evening Blood Glucose – *Required*

#### Form Load

- Logged in Username from Main Menu page



- Morning Insulin – *Required*
- Afternoon Insulin – *Required*
- Evening Insulin - *Required*

#### User Actions

- Click “Submit”, to save user’s blood glucose readings and insulin dosages for the entered date
- Click “Clear” to clear all input fields
- Click “Go to Main”, redirects to Main Menu
- Click “Logout”, logs out the user and redirect to Login page

#### User Cases:

- User must input all required fields, else cannot submit details.

#### System Outputs

- Display the JSON response [Message](#) and [Summary](#) array messages from the API via message box

#### Backend API

- createUserBGINSEntry

## 5 My Charts Page

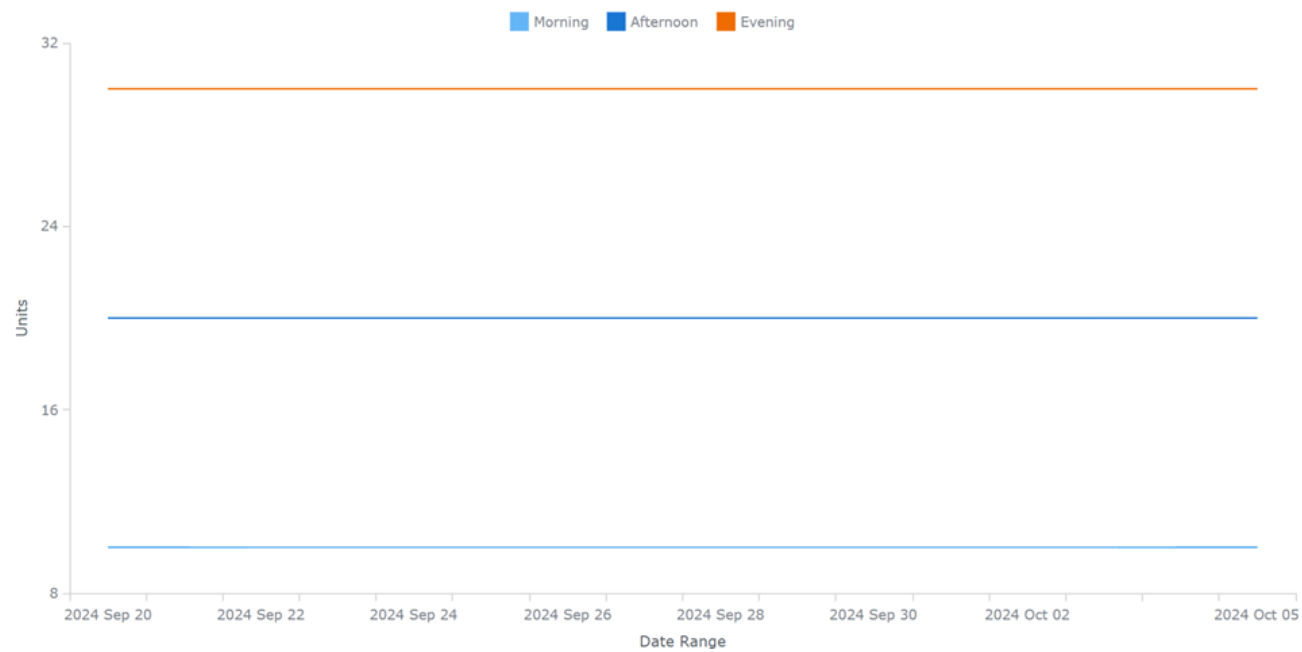
Show Chart by

Insulin Dosages

Go

[Go to Main](#)

[Logout](#)



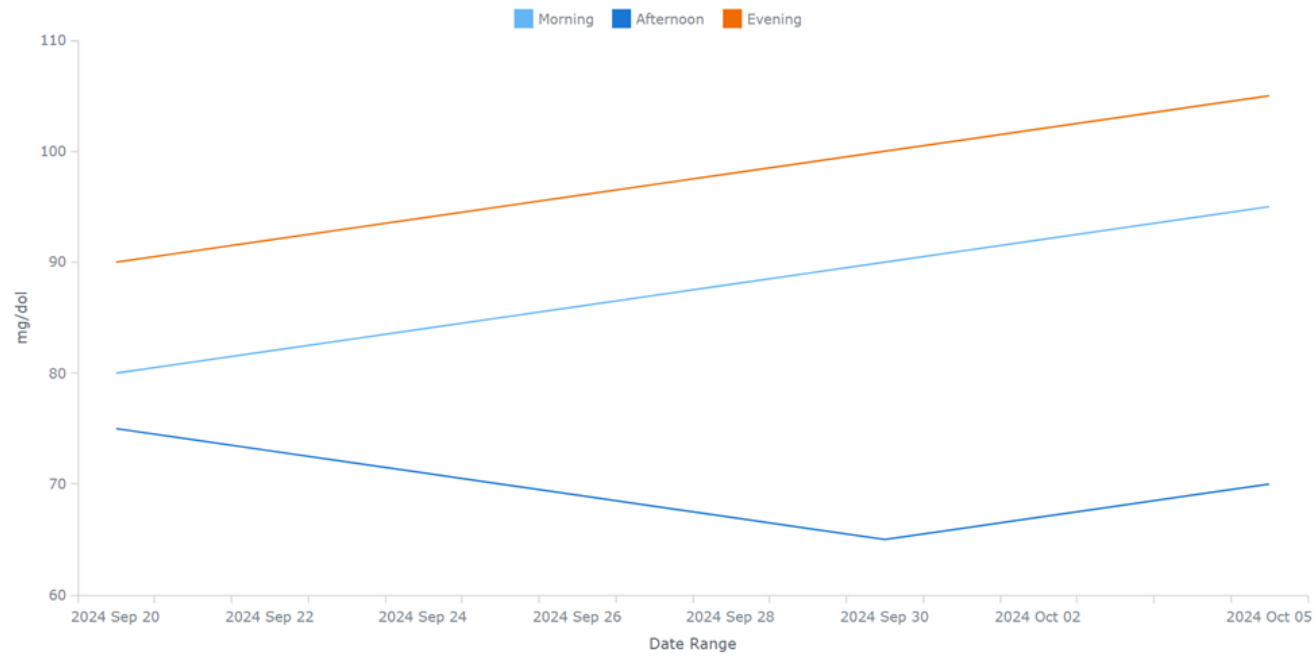
Show Chart by

Blood Glucose Readings

Go

[Go to Main](#)

[Logout](#)



Show Chart by

Insulin Dosages



Go

[Go to Main](#)

[Logout](#)

No records found!

Close

#### User Inputs

- Show Chart By (Combo Box) – *Required*
  - Blood Glucose Readings
  - Insulin Dosages

#### Form Load

- Logged in Username from Main Menu page

### User Actions

- Click “Go”, to show line chart according to filter option
- Click “Go to Main”, redirects to Main Menu
- Click “Logout”, logs out the user and redirect to Login page

### User Cases:

- User choose from the Combo Box options

### System Outputs

- Display the JSON response [Message](#) via message box, if [Readings](#) array is empty.
- Display the JSON [Readings](#) array lists via line chart

### Backend API

- getUserBGINSReadings

## 6 My Achievements Page

[Go to Main](#) | [Logout](#)

Hello, **Robby**. Good job! Keep it up~



Your Rank: Bronze

Current Points: 65

Points to Rank Up: 5

### User Inputs

- None

### Form Load

- Logged in Username from Main Menu page

### User Actions

- Click “Go to Main”, redirects to Main Menu
- Click “Logout”, logs out the user and redirect to Login page

### User Cases:

- None

- Call getUserAchv and populate the fields according to the details required

### Backend API

- getUserAchv

*\*Note: Trophy picture display is hardcoded depending on the current rank*