Patient Health Monitor Portal

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Uses Cases

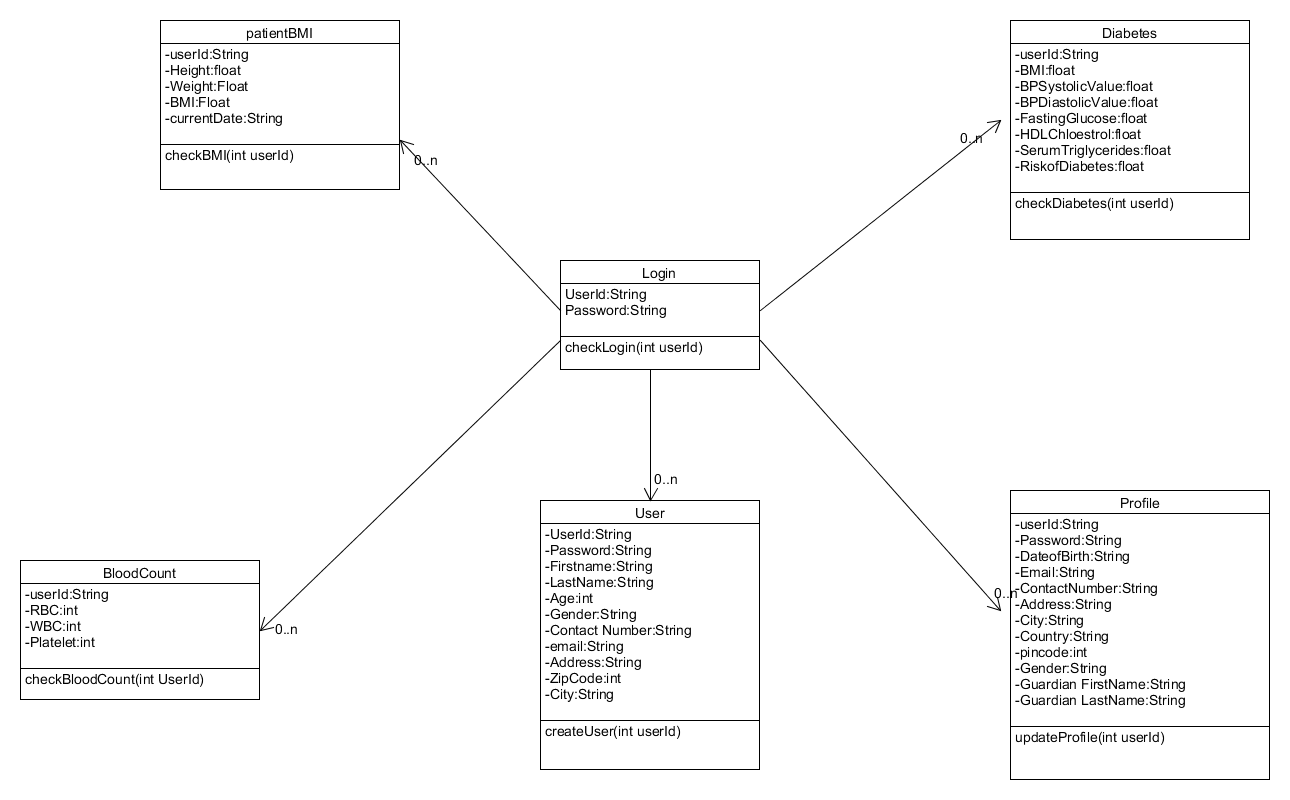
PHMP\_01: As a patient, I should able to login my page to do all activities.

PHMP\_02: As a patient, I should able to register myself into application.

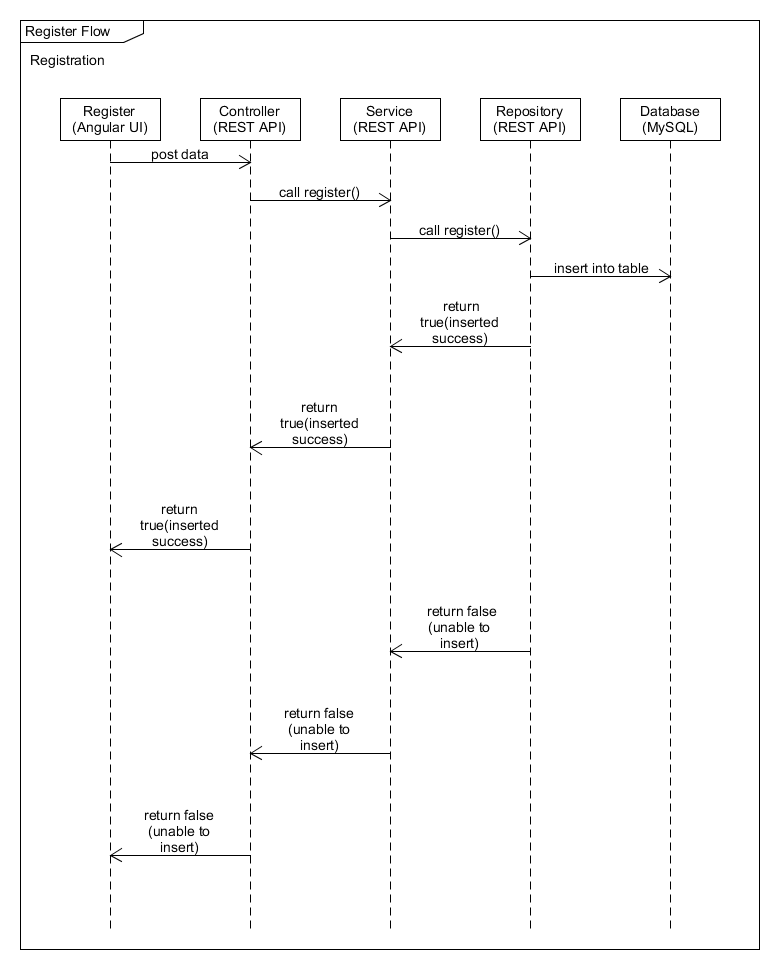
PHMP\_03: As a patient, I can update or create the profile.

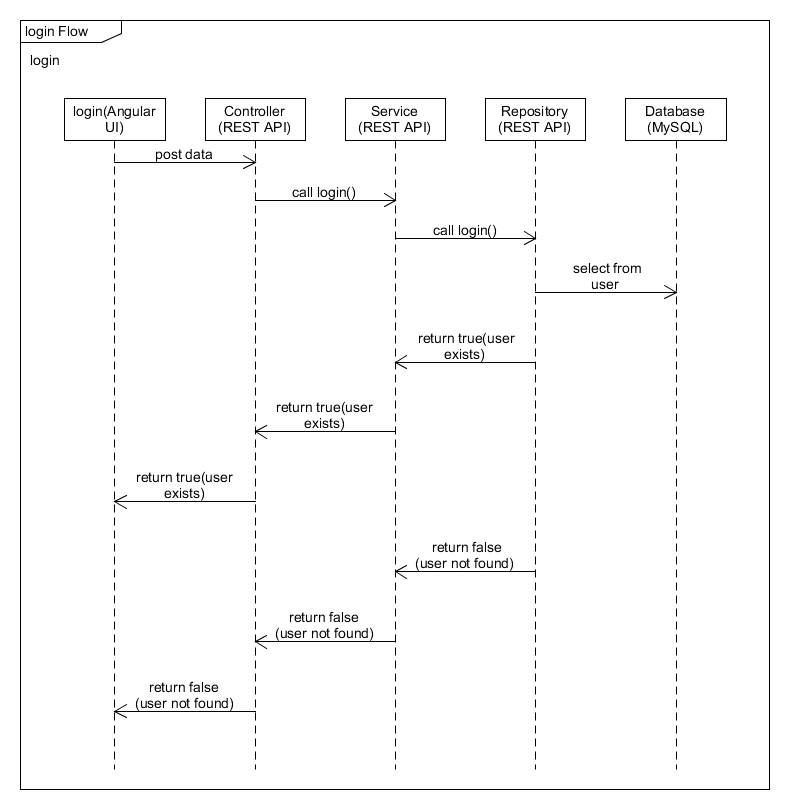
PHMP\_04: As a patient, after login I should able to enter the data to check the BMI, Diabetes, Blood count.

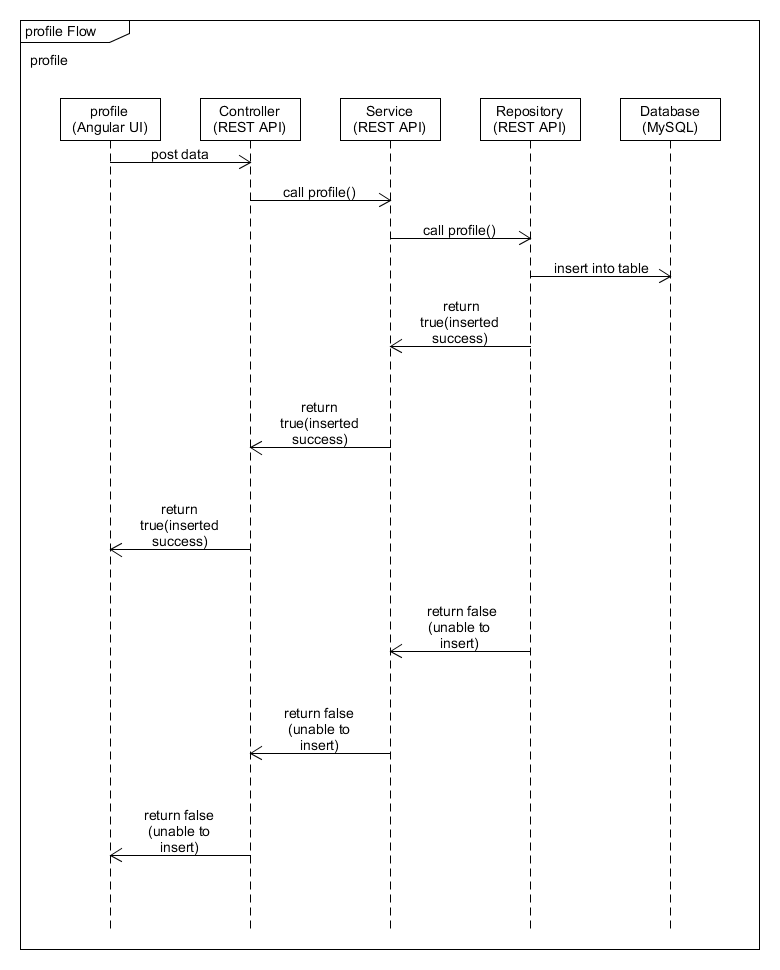
Class Diagram:

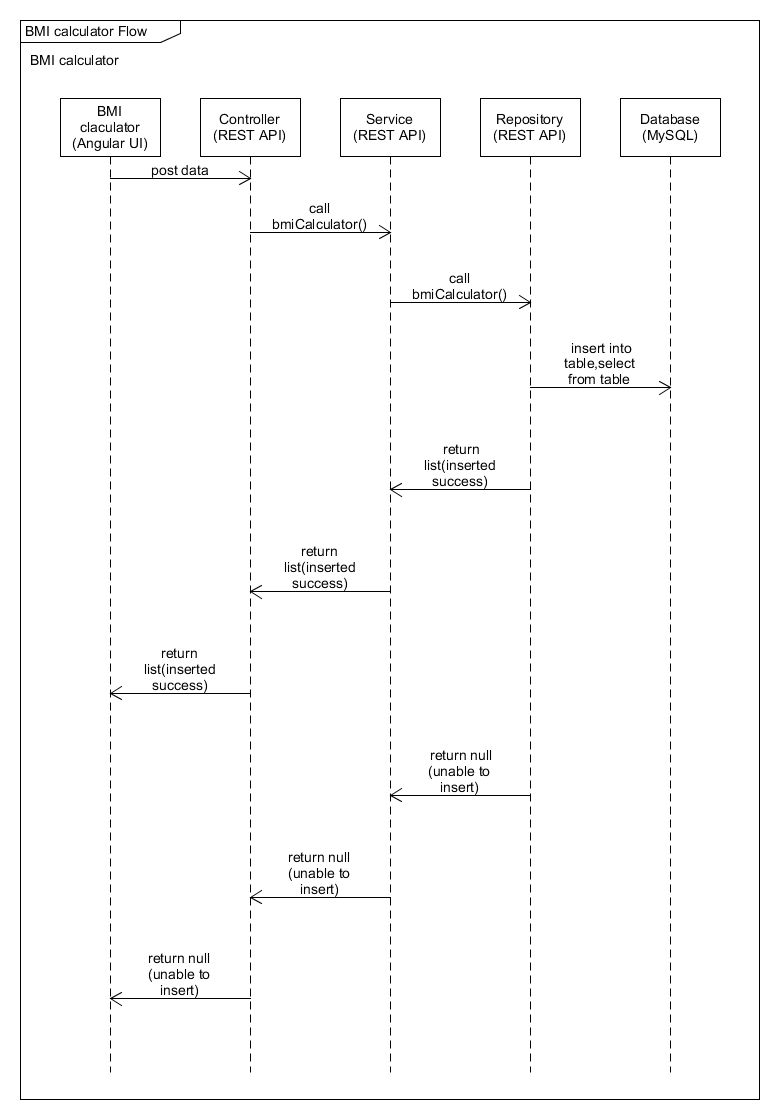


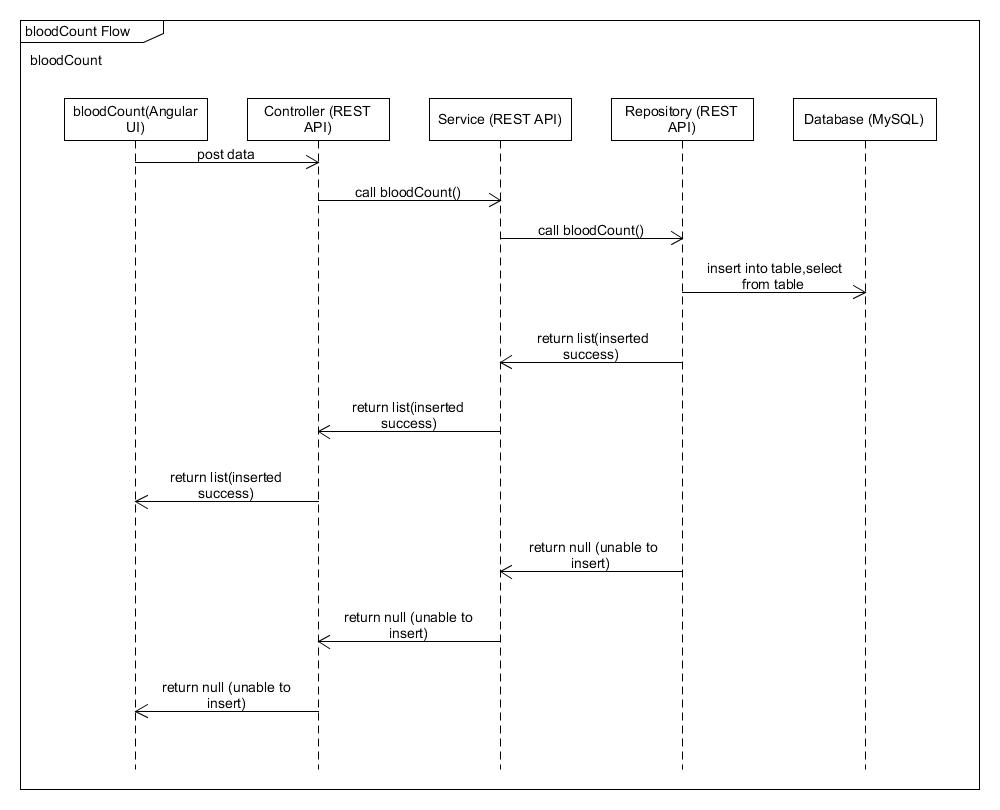
Sequence Diagram:

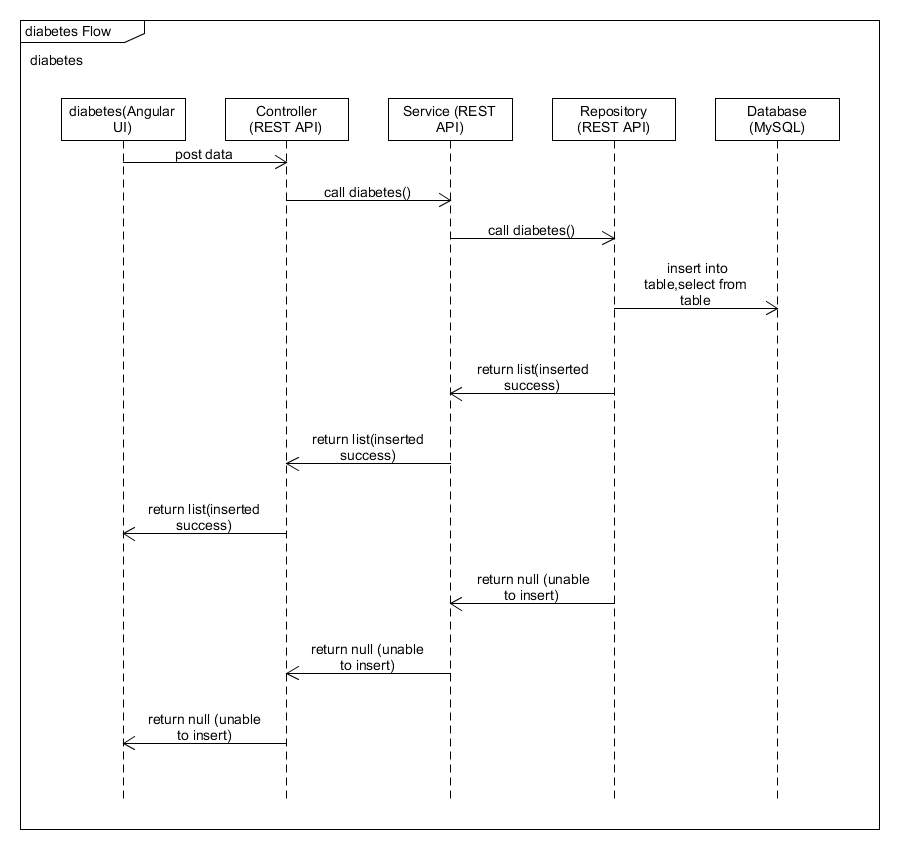












Database Designs

User:

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Constraints |
| Id | Int | Not Null |
| Password | Varchar(15) | Not Null |
| First Name | Varchar(15) | Not Null |
| Last Name | Varchar(15) | Not Null |
| Age | Int | Not Null |
| Gender | Varchar(5) | Not Null |
| Contact Number | Varchar(10) | Not Null |
| Email | Varchar(15) | Unique |
| Address | Varchar(50) | Not Null |
| Zip Code | Int | Not Null |
| City | Varchar(15) | Not Null |

Patient Profile

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Constraints |
| User Id | Int | Primary Key |
| Password | Varchar(15) | Not Null |
| Date Of Birth | Date | Not Null |
| Email Id | Varchar(15) | Not Null, Unique |
| Contact Number | Varchar(10) | Not Null |
| Address | Varchar(15) | Not Null |
| City | Varchar(10) | Not Null |
| Country | Varchar(15) | Not Null |
| Pin code | Int | Not Null |
| Gender | Varchar(5) | Not Null |
| Guardian First Name | Varchar(15) | Not Null |
| Guardian Last Name | Varchar(15) | Not Null |

PatientBMI

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Constraints |
| Id | Int | Primary key |
| User Id | Int | Not Null |
| Height | Float | Not Null |
| Weight | Float | Not Null |
| BMI | Float | Not Null |
| Current Date | Date | Not Null |

Blood Count

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Constraints |
| Id | Int | Primary key |
| User Id | Int | Not Null |
| RBC | Int | Not Null |
| WBC | Int | Not Null |
| Platelet | Int | Not Null |

Diabetes

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Constraints |
| Id | Int | Primary key |
| UserId | Int | Not Null |
| BMI | Float | Not Null |
| BP Systolic Value | Float | Not Null |
| BP Diastolic Value | Float | Not Null |
| Fasting Glucose | Float | Not Null |
| HDL Cholesterol | Float | Not Null |
| Serum Triglycerides | Float | Not Null |
| Risk of Diabetes | Float | Not Null |

UI Screens

Patient Health Monitor Portal

Login| Logout

Register

Password

First Name

Last Name

cbchwgqdkfjfbrvf

Password

Register

City

ZipCode

Address

Email Id

Contact Number

Gender

Age

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UI Screens

Patient Health Monitor Portal

Login| Logout

Register

Password

First Name is required

First Name

Last Name

Last Name is required

cbchwgqdkfjfbrvf

Password is required

Password

contact number is required

City is required

zip code is required

Address is required

email Id is required

Gender is required

Age is required

City

Zip Code

Address

Email Id

Contact Number

Gender

Age

Register

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Login

Login|Logout

Patient Health Monitor Portal

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New User? SignUP

Password

User Id

Login

Login

## Login - Error1(If fields are empty)

Patient Health Monitor Portal

Login

<User Id>

<password>

Login

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New User? SignUp

Login|Logout

User Id

User Id is required

Password

Password is required

Login- Error2(if fields are incorrect )

User Id

Patient Health Monitor Portal

Login

<User Id>

<password>

Login

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New User? Sign Up

Login| Logout

User Id

Password

Invalid Credentials

Patient Profile

Login| Logout

Patient Health Monitor Portal

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Guardian Last Name

Guardian First Name

Gender

Pin Code

Country

City

Address

Contact Number

Email Id

DOB

Password

User Id

Patient Profile

Home

Update

Patient Profile(if fields are empty)

Patient Health Monitor Portal

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Patient Profile

Login |logout

Home

user Id is required

Username

Password is required

Password

DOB is required

DOB

email Id is required

Email Id

contact Number is required

Contact Number

Address is required

Address

City is required

City

Country is required

Country

Pin Code

Pin code is required

Gender

Gender is required

guardian first name is required

Guardian First Name

guardian last name is required

Guardian Last Name

Update

Patient Body Mass Index Calculator



SP

Patient Health Monitor Portal

BMI

Login |Logout

User Id

Height

Weight

Date

Submit

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Patient Body Mass Index Calculator(Error)

SP

Patient Health Monitor Portal



BMI

Login| Logout

User Id

User Id is required

Height is required

Height

Weight is required

Weight

Date is required

Date

Submit

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Blood Glucose Level

Patient Health Monitor Portal

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Submit

Platelet Count

WBC count

RBC Count

User Id

Blood Glucose Level

Login| Logout

Home

Blood Glucose Level(Error)

Patient Health Monitor Portal

Java Mode2 HCL Training – Final Case Study

Blood Glucose Level

Login| Logout

Home

User Id is required

User Id

rbc count is required

RBC Count

wbc count is required

WBC count

platelet count is required

Platelet Count

Submit

Diabetes risk calculator

Login | Logout

Patient Health Monitor Portal

Diabetes Risk Calculator

Home

User Id

Bmi

Serum Triglycerides

HDL cholesterol Reading

Fasting Glucose Reading

BP Systolic Value

BP Diastolic Value

Submit

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Diabetes Risk Calculator(Error)

Login | Logout

Patient Health Monitor Portal

Diabetes Risk Calculator

Home

Bmi is required

User Id

Bmi

serium triglycerides is required

cholesterol reading is required

glucose reading is required

bp diastolic value is required

Serum Triglycerides

HDL cholesterol Reading

Fasting Glucose Reading

BP Systolic Value

BP Diastolic Value

bp systolic value is required

Please enter

Submit

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