Patient Health Monitor Portal

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Uses Cases

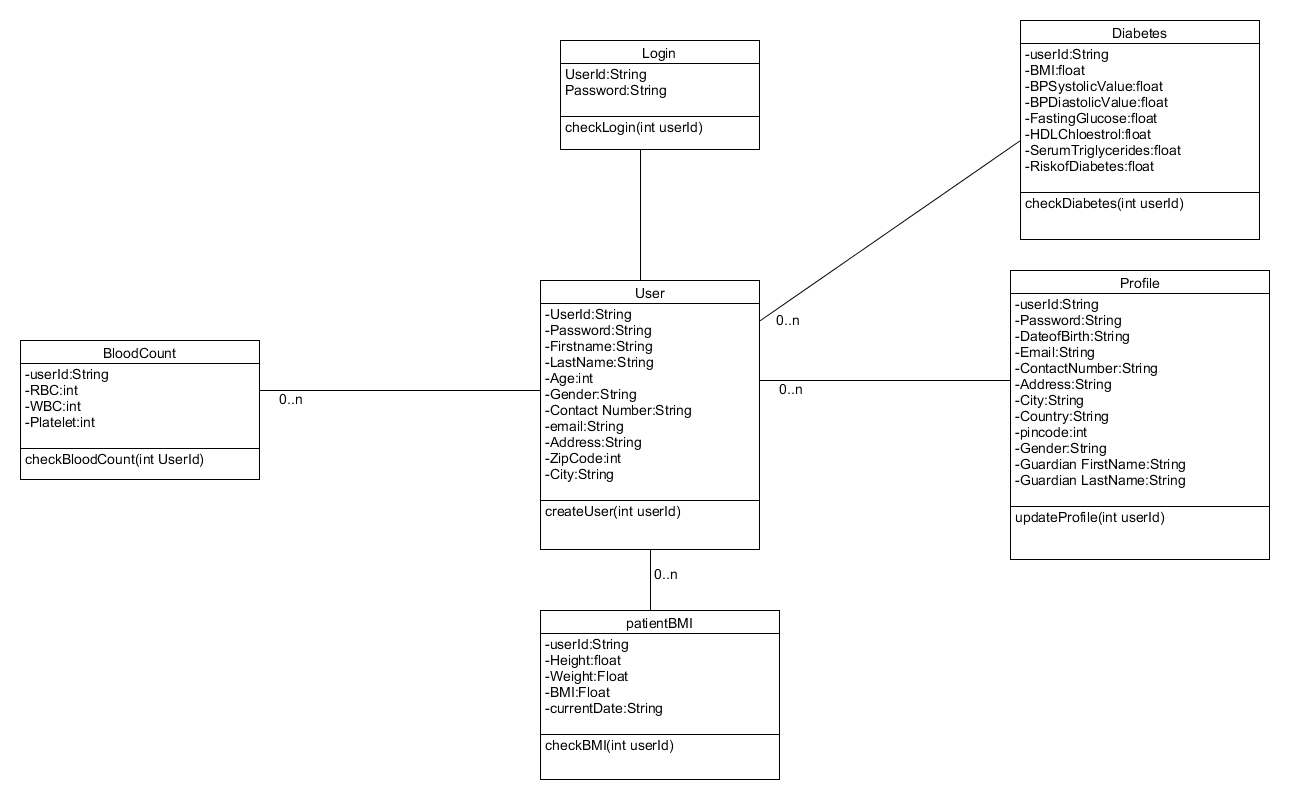
PHMP\_01: As a patient, I should able to login my page to do all activities.

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

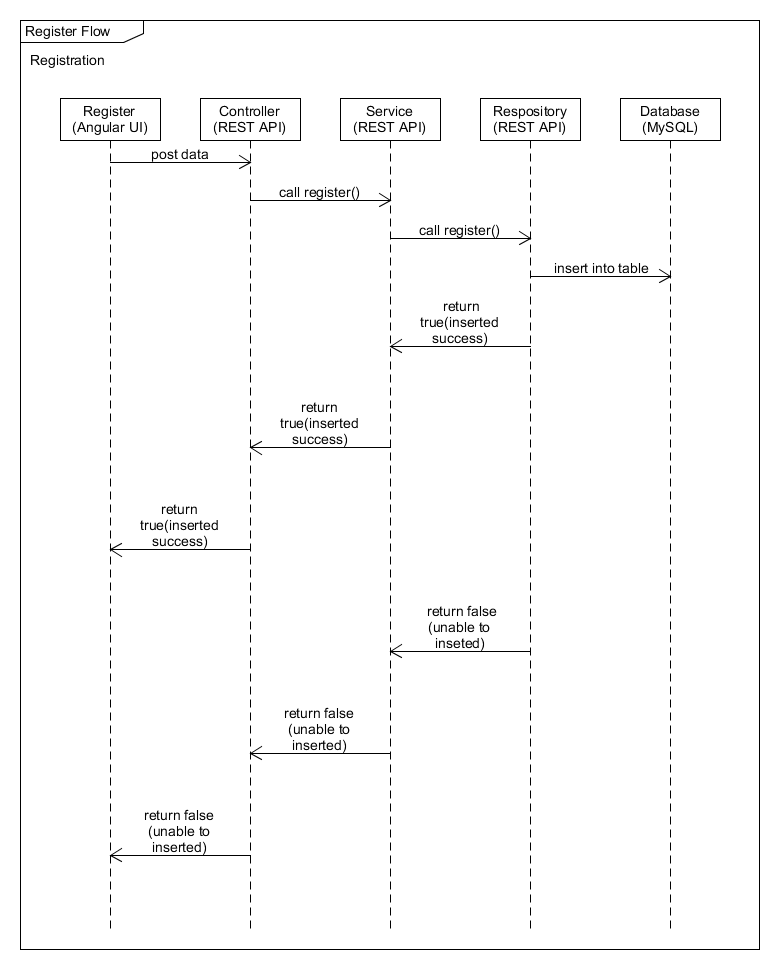
PHMP\_03: As a patient, I can update or create the profile.

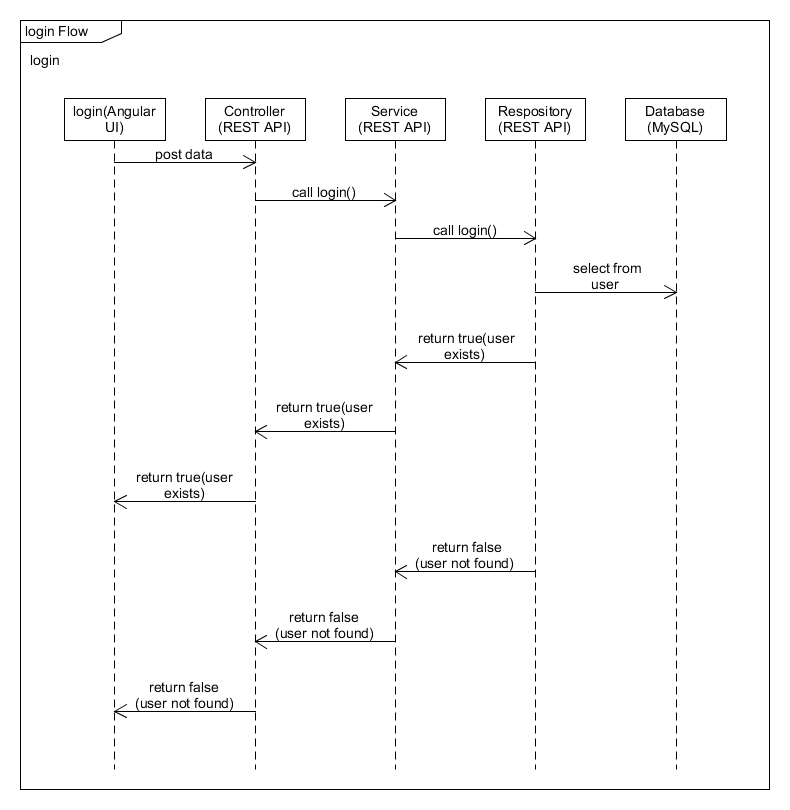
PHMP\_04: As a patient, after login I should able to enter the data to check the BMI, Diabetes, Blood count.

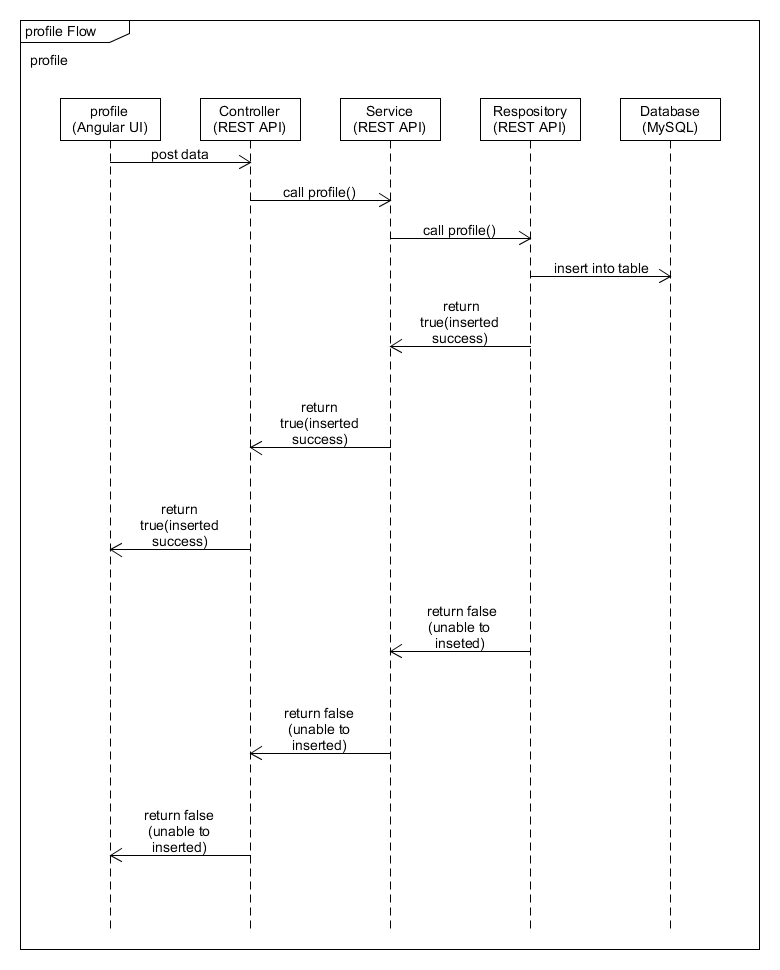
Class Diagram:

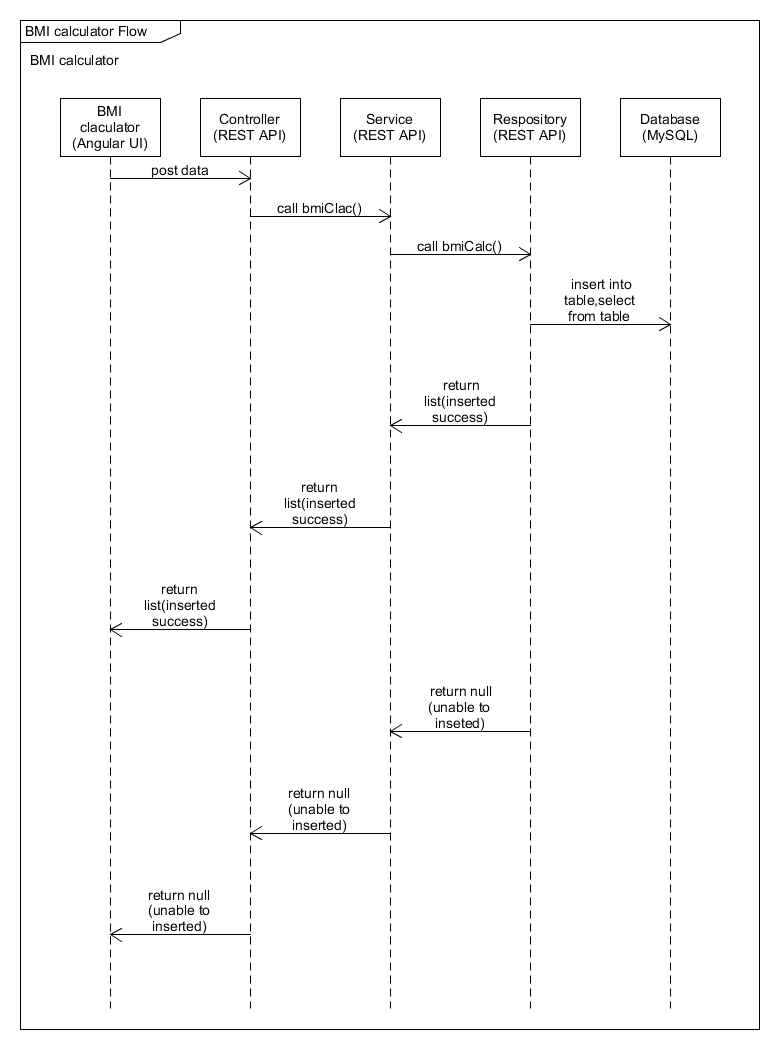


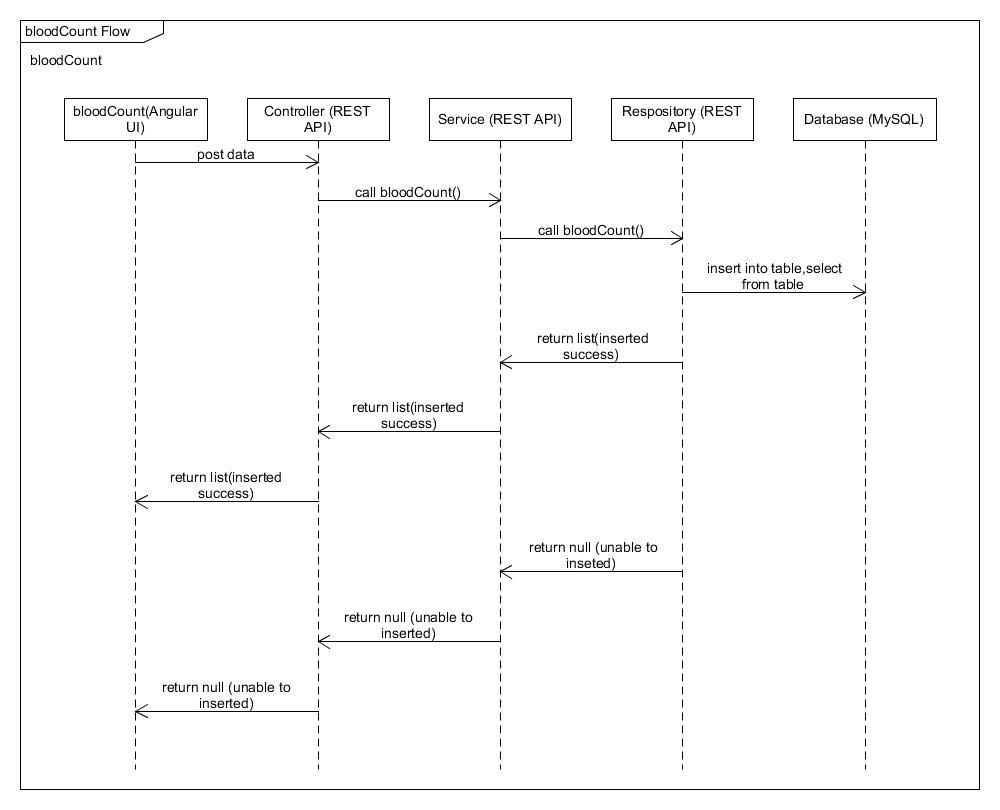
Sequence Diagram:

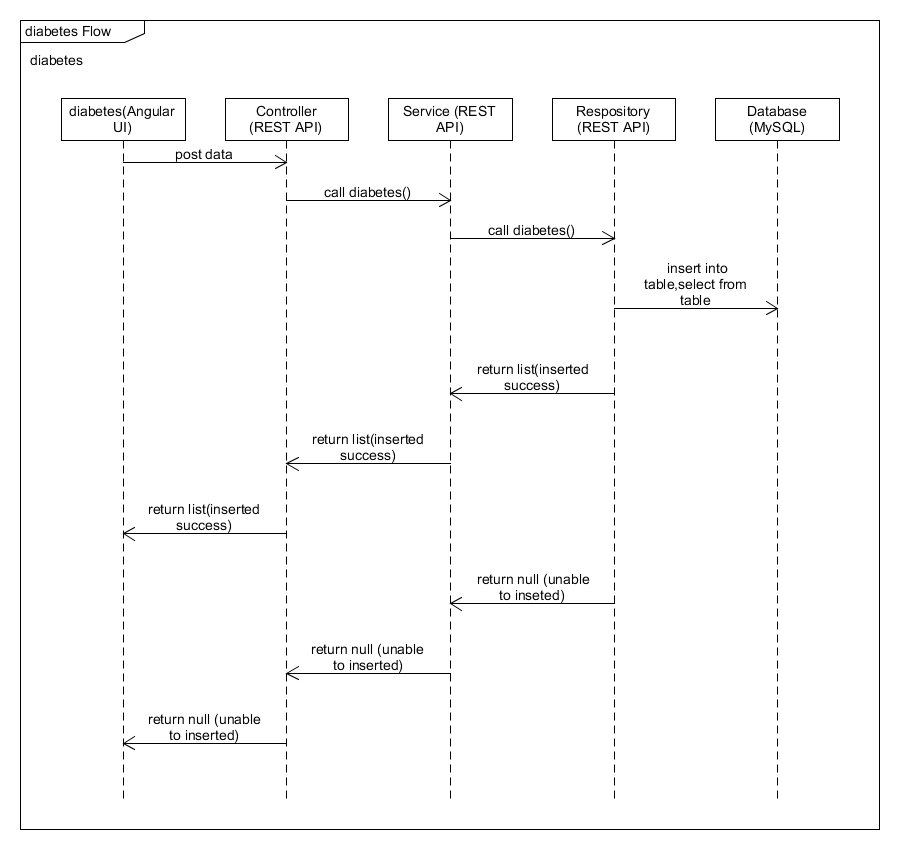












Database Designs

User:

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Constraints |
| Id | Int | Not Null |
| Password | String | Not Null |
| First Name | String | Not Null |
| Last Name | String | Not Null |
| Age | Int | Not Null |
| Gender | String | Not Null |
| Contact Number | String | Not Null |
| Email | String | Unique |
| Address | String | Not Null |
| Zip Code | Int | Not Null |
| City | String | Not Null |

Patient Profile

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

PatientBMI

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Constraints |
| Patient Id | String | 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 |
| Patient Id | String | Not Null, Primary Key |
| RBC | Int | Not Null |
| WBC | Int | Not Null |
| Platelet | Int | Not Null |

Diabetes

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Constraints |
| 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

Register

Password

First Name

Last Name

cbchwgqdkfjfbrvf

Password

Register

City

ZipCode

Address

Email Id

Contact Number

Gender

Age

Java mode 2 HCL Training –Final Case Study

Login

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New User? SignUP

Password

User Id

Login

Patient Health Monitor Portal

Login

## Login - Error1(If fields are empty)

Patient Health Monitor Portal

Login

<User Id>

<password>

Login

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New User? SignUp

User Id

Please enter the User name

Password

Please enter the Password

Login- Error2(if fields are incorrect )

User Id

Patient Health Monitor Portal

Login

<User Id>

<password>

Login

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New User? SignUp

User Id

Password

Invalid Credentials

Patient Profile

Java Mode2 HCL Training – Final Case Study

Guardian Last Name

Guardian First Name

Gender

Pin Code

Country

City

Address

Contact Number

Email Id

DOB

Password

Username

Patient Profile

Patient Health Monitor Portal

Home

Update

Patient Body Mass Index Calculator

SP



Java Mode2 HCL Training – Final Case Study

Height

Weight

Patient Id

BMI

Patient Health Monitor Portal

Submit

Blood Glucose Level

Java Mode2 HCL Training – Final Case Study

Submit

Platelet Count

WBC count

RBC Count

Patient Id

Blood Glucose Level

Patient Health Monitor Portal

Home

Diabetes Risk Calculator

Home

Submit

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HDL cholesterol Reading

Serum Triglycerides

Fasting Glucose Reading

BP Diastolic Value

BP Systolic Value

Diabetes Risk Calculator

Patient Health Monitor Portal