**Blood bank management**

Contents

[**What this project will do** 3](#_Toc133316726)

[**Out of scope items** 4](#_Toc133316727)

[**Project team members** 5](#_Toc133316728)

[**High level approach** 6](#_Toc133316729)

[**Data Model** 7](#_Toc133316730)

[**Class Diagram** 8](#_Toc133316731)

[**API design** 9](#_Toc133316732)

[**Database objects** 10](#_Toc133316733)

[**Error messages & validations** 11](#_Toc133316734)

[**Others** 12](#_Toc133316735)

# **What this project will do**

This project aims at the following.

Expose a set of REST API services which will do the following:

1. POST API which can be used to record collection of blood units
2. GET API which can be used to search for blood units availability. The API will accept blood group (A,B,O) & Rh Factor (+ve or -ve\_)
3. POST API to record blood transfustion
4. GET API for getting session token for Login. The token that is generated from this API will be used for other APIs for authentication and authorization.

# **Out of scope items**

1. Patient data will not be part of this scope.
2. Authorization of API is limited to session token in header for each API
3. Concurrancy not part of scope.

# **Project team members**

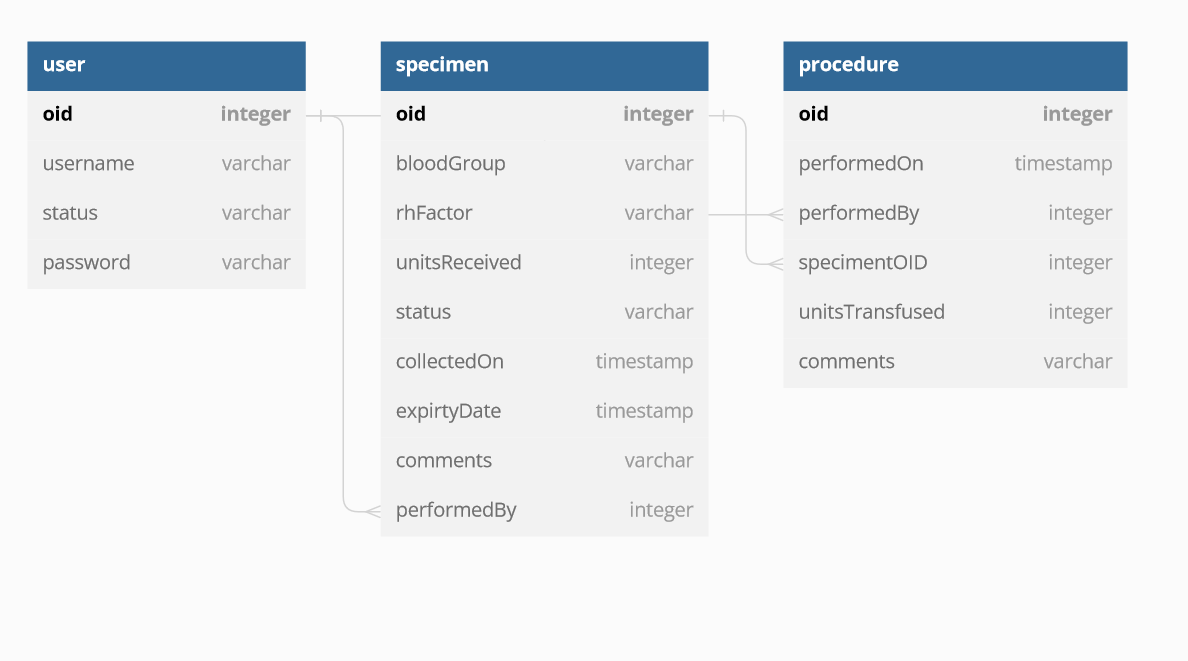
* Bellcy Vinitha Samuelraj
* PADMA PRIYA E
* Sreeram Arivumuthu
* Sangeetha M
* Lakshminarayanan A.S

# **High level design**

|  |
| --- |
| Use case diagram |
|  |

|  |
| --- |
| Sequence diagram |
|  |

# **Data Model**



# **Class Diagram**

# **API design**

# **Database objects**

# **Error messages & validations**

# **Others**