



# HarperDB Hackathon

PROJECT NAME - BLOOD CONNECT

TEAM NAME - IGNEEL

# About The Idea

- ▶ This application lets multiple users request for blood donations.
- ▶ People who are interested in donating their blood, can contact the requester.
- ▶ All this data collected is stored in HarperDB and is later used to perform simple statistics.
- ▶ Insights are generated via HarperDB.

# How It Work?

- ▶ HarperDB is running on a back-end server and PHP is used to access this data.
- ▶ APIs are written in PHP to fetch, insert and update the data inside the HarperDB.
- ▶ All the connections via PHP are locally performed securely.
- ▶ The Android/iOS/Windows application connects to these APIs over a network.

# Tech Stack

- ▶ Server : AWS – Ubuntu
- ▶ Database : HarperDB
- ▶ Scripting Language : PHP
- ▶ Programming Language : C#
- ▶ Framework : Xamarin.Forms
- ▶ By Utilizing Xamarin.Forms framework, we can target multiple platforms, i.e., Android, iOS and Windows (UWP).

100

Full Name

Age

Area Code

Select Your Country

Select Your Blood Type

Email ID

Phone Number

Password

REGISTER

## User Registration

[illegible]

## User Log In

**PENDING REQUESTS**

6ccc16	2018/02/07	India
6ccc16	2018/02/07	India
6ccc16	2018/02/07	India

**Date of Donation**

**Unique ID of Donation**

**Country of Donation**

**REQUEST BLOOD**

## List of Past Donations



# Screens



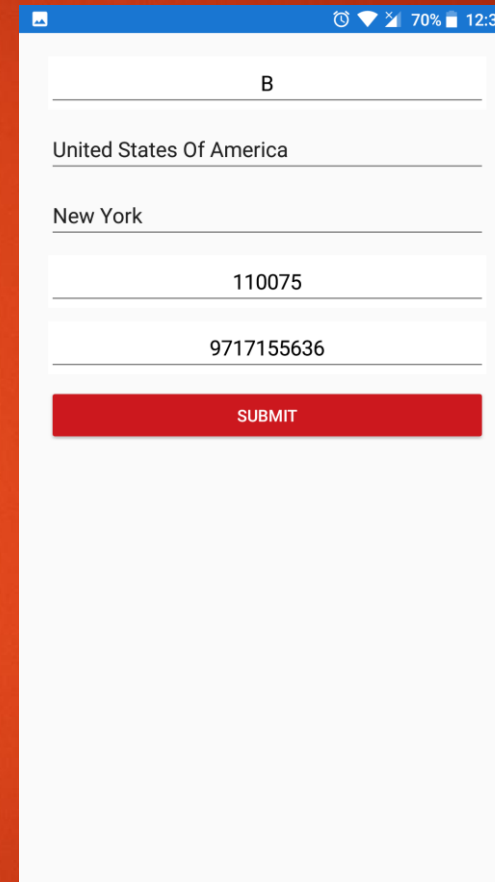
PAST DONATION	PENDING REQUESTS	STUDY DATA
127163	India	
68b572		
110075	India	
a47f00		
112082	India	
a8ad5d		
766988	India	
c55a73		
314926	India	
ee5218		
110075	India	
f800a3		

Unique ID of Request

Area Code

Country

List of Pending Requests



B

United States Of America

New York

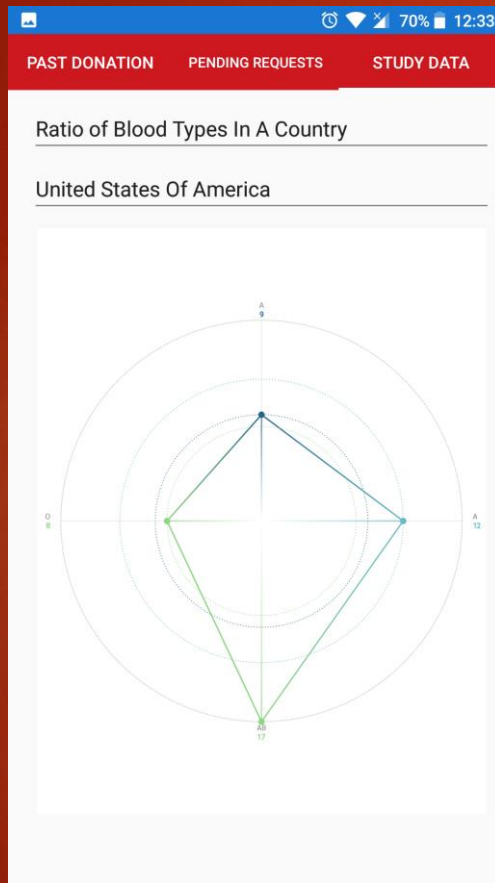
110075

9717155636

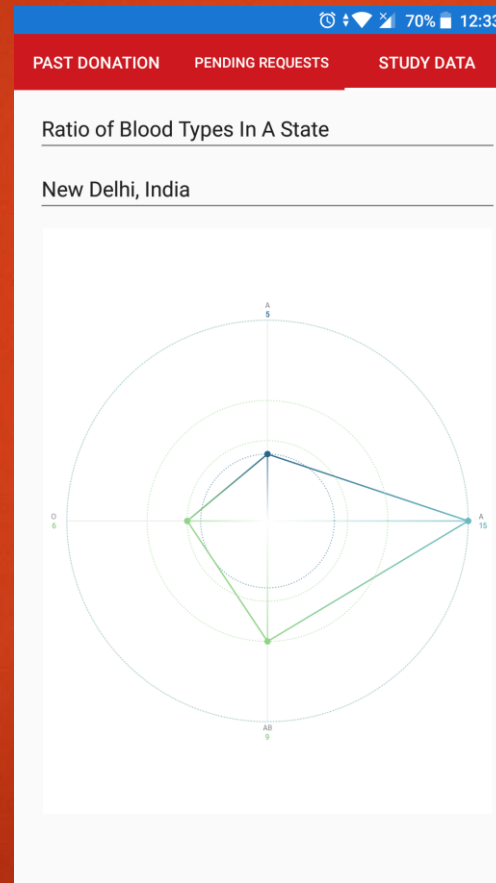
SUBMIT

Making A New Request

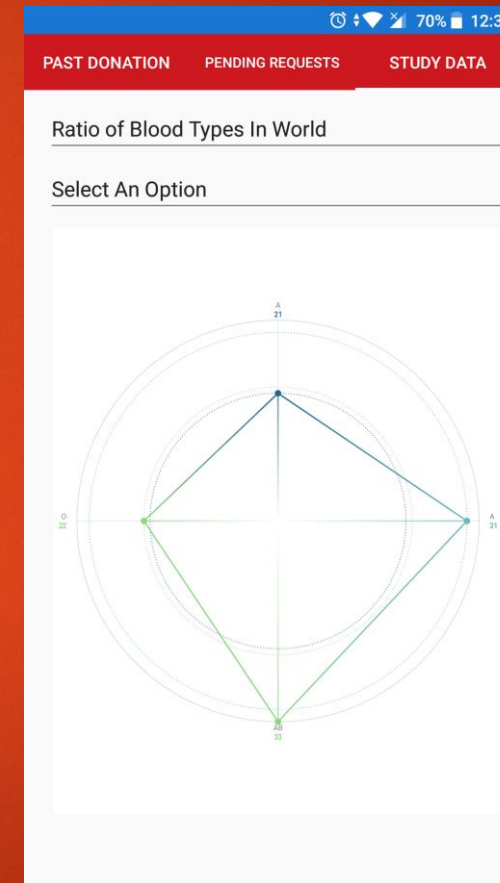
# Insights/Analytics From The Collected Data



Density of Blood Groups In A Country



Density of Blood Groups In A State



Density of Blood Groups In World

# Team

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# Thank You!