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).

Screens

User Registration

User Log In

List of Past Donations

Screens
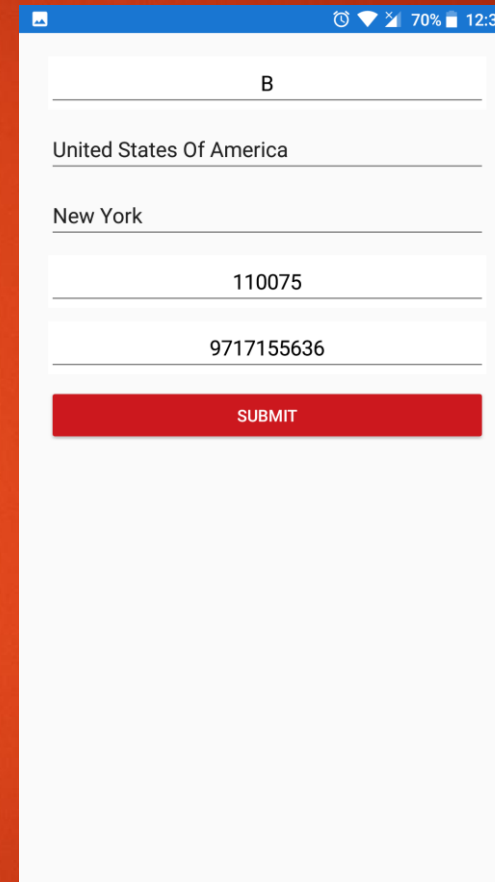
List of Pending Requests

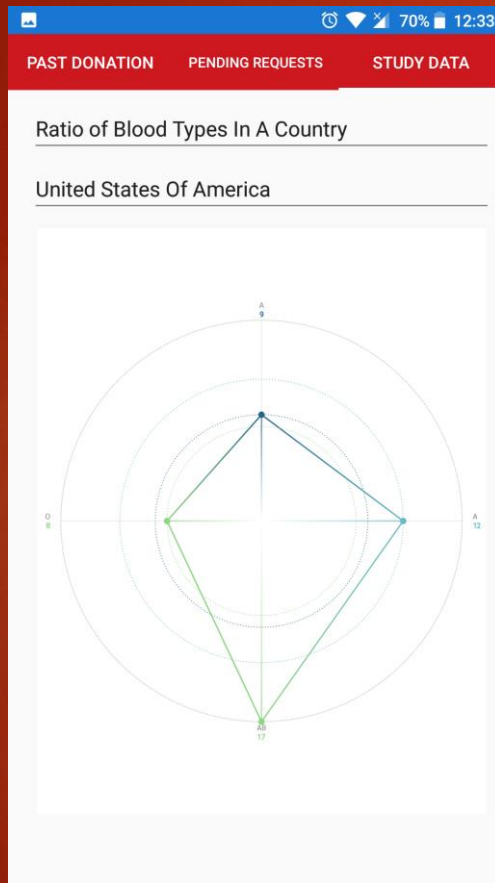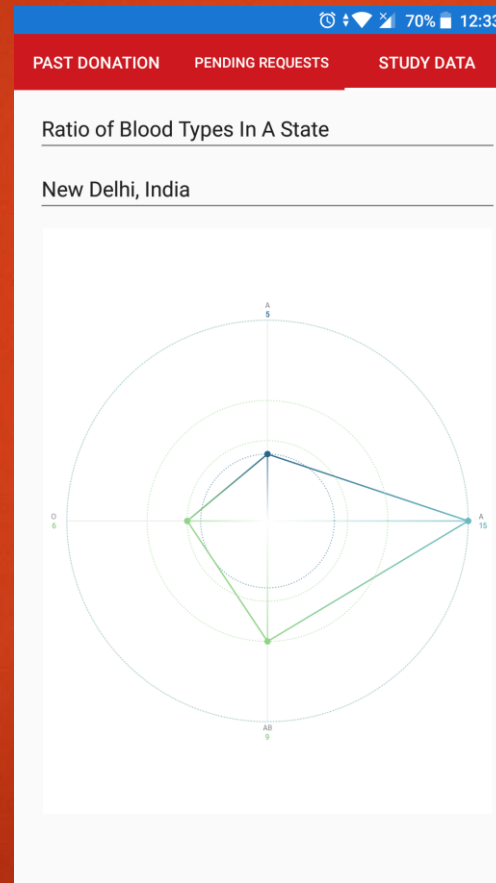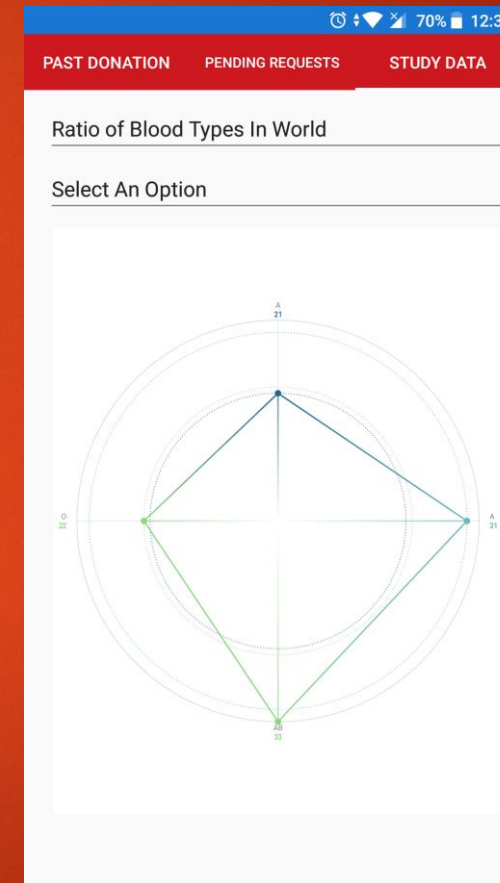**Making A New Request**

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!