AssoRUM

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❖ Introduction

Nowadays, most people have a mobile device with them at all times and use it as a multipurpose device. For this reason, this project focuses on developing a mobile app that helps to connect students and associations with each other in an easier and a more convenient way. Usually students are full of emails and in the bulk of this emails this events sometimes pass unnoticed. With AssoRUM, anytime in the day a student could see currently posted events from associations. The targeted clients are students from all departments in UPRM and associations' leaders who would like to make their association part of the application. The application is a hybrid mobile app, which means that it works for android and iOS. With this mobile app students can choose to set their interests and preferences to get notified when a certain event or activity is going to take place, he will also be matched with associations that may fit the user. The students can also choose to see all associations and see their info. This will keep the student up to date with everything that is happening of his particular interests. If the user decides he wants to be part of the association he can pay for the different association memberships, this payment will be transferred automatically to the designated association account. If the user wants to receive particular notifications of that association he can subscribe it and he will be notified of any events/activities. The technologies that we plan to use are Ionic Framework, ExpressJS, PostgreSQL, Ionic lab, PgAdmin , Javascript, Restful Web services.

❖ Client App Description

Each individual association will have an unique profile in which their admin, who we set up when the association is created,can post membership prices, events, sales, fundraisers, and other upcoming activities. Every association will be managed by an admin's account, which is a regular client with the ability to edit association's info and post events. The admin can choose whether a post is private, where only the members of that particular association can see the post, or public, in which any user that has the app installed can see the post. Furthermore, a

regular UPRM student can create an account using their UPR email to validate the account after receiving and accepting a confirmation email. You may filter this feed to better suit your academic formation or particular interests, you can also select specific associations from which to receive push notifications. The app also features a favorites tab shows a list of the events you have marked as favorites. The student will be able to search events for specific dates, topics, categories, etc. The technology that will be applied for the client app is: Ionic Framework .

❖ Server Side Description

The server side will include numerous tables which will help store the data. For example, it will allow to store the user username and password in the database, providing a way of implementing the signup process. Similarly, the system will store the information from the associations from the University of Puerto Rico, Mayaguez. Since some associations require the members to pay a membership, the system will allow to pay those memberships through the app. Each users have a rank, whether the users is a freshman, sophomore, junior or Senior. Some of the tables that the database have are the following: Association table which contains the Asso_id, name and department of the associations, Member table contains id and name of the each member, Membership contains Asso_id, price and description of each membership. Other tables are: Membership,Payment, Location, Tag ,Client, , Department, Event, Rank, etc. The technologies that will used to develop the server side are: PostgreSQL, PgAdmin and Restful Web services.

❖ Division of Labor

The team is composed of Felix Gonzalez, Osvaldo Ramirez and Emmanuel Ramos. Every member of the team will be involved in every aspect of the development of this project. Felix Gonzalez will focus on developing the associations functionality of their wall (feed) and the admin account. Also, Felix work in the creation of tables in our database system. Osvaldo Ramirez will focus on the student's account, their interactions with the associations and work with the navigation within the app.   Emmanuel Ramos will work on the creation of events/activities, their categorization and implementing the search engines. The whole group will try and implement a payment system for the app, and each member will be involved in the development of the database.

❖ ER Diagram