Abstract
The purpose of this project was to develop a cross-platform application which would allow the LLC staff to create events for the different LLC community’s to promote events going on around campus that they may be interested in. The project was broken up into two areas, a PHP backend and a frontend for iOS and android devices. Our team used Xamarin, a cross-platform development tool to build the iOS and android applications. Xamarin allowed us to write in C# and share code between the two applications instead of creating two different applications in different languages. The PHP backend handles requests made within the application and will store/retrieve from a SQL database depending on the type of request that was made. Our team was able to develop an initial application for the LLC staff and another group in senior design will enhance our project more in the following semester.

Architecture
- Mobile application developed using C# with Xamarin platform
- Apache server using PHP and MySQL for web back-end

Impact
Our project will allow the LLC staff to have a new way to create/promote events to the LLC community. This will help the LLC staff to be able to more effectively get engaged with the student body. The students in the LLC community will be able to view events available to them.

Summary
Our project utilizes a php backend to allow our application to communicate with UTD’s server. This allows the LLC staff to create new events to promote to the students. The students can also use their iOS/Android device to communicate with the server to view upcoming events they are able to attend.