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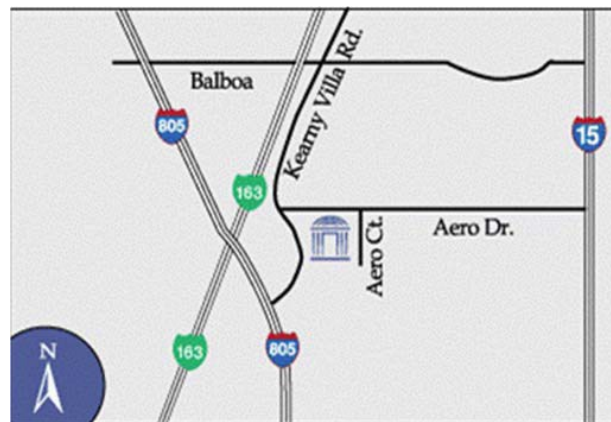


PRESENTATION SCHEDULE

Friday, September 23rd
2:00– 8:00 pm

Kearny Mesa Campus
3678 Aero Court
San Diego, CA 92123

Room 121



CSC 687

Capstone
Presentations



NATIONAL UNIVERSITY

SCHOOL OF ENGINEERING AND COMPUTING



Restaurant Hub Android Application

Dhara Desai, Sampath Kumar Akshitha Karupakula, Meet Mistry, Will Vasconcelos

“Restaurant Hub” is an Android app which makes nearby restaurant recommendations and allows customers to place orders before they arrive. It offers GPS based location, directions to the restaurant and estimated time of arrival for customers. It also offers dynamic order prioritization for restaurants, listing incoming orders according to customers’ estimated time of arrival. The application has interfaces for three actors: customers, restaurants, and system administrator. These three interfaces share a common cloud database, accessible from anywhere using either a desktop computer or a mobile device. Based on Microsoft’s Xamarin technology for cross-device compatibility, “Restaurant Hub” is developed using Visual Studio 2015 with ASP.NET and C#. All interfaces use a Microsoft SQL Server database. The application is hosted on Microsoft’s Azure in the cloud.



Link Dish

Anusha Hari, Rakesh Mudreddy, Sreenesh Tokala

Ordering food online is a growing market for restaurants. “Link Dish” is an IOS application that is used by restaurants grow their markets. This implementation is compatible with all versions of iPhones and enables customers to buy food from multiple restaurants with a single order. Customers choose from multiple restaurant’s menu items. The application has the ability to place an order for a future date, reviewing previous order history, and reordering from the history. Introductory video is available in the home page to familiarize the user with the “Link Dish”. The customer can place orders for friends and send the food to their different addresses. The delivery is done by a third party. This Application uses Cloud Database service (MySQL server) and is implemented on the XCode IDE platform.



DiscoGet

Enrique Sanchez J

., Gursewak Sangha, Steven Werdeman

Serious music collectors, those who collect tangible items like records, CDs, cassettes, and 8-tracks, are often overwhelmed by the size of their music collections. It is not uncommon for collectors to unknowingly buy a second or third copy of an item they already own. DiscoGet is an Android app that allows users to access their music collections on the go, helping them to avoid buying duplicate copies. Using information from the Discogs database, the largest music database on the web, users create a collection and want-list, searching for items by scanning the barcodes or by manual entry. Collections and want-lists can be shared with and viewed by authorized users. All lists are available for offline viewing and searching. Changes are automatically uploaded to the cloud database.



Visual Normalization

Matt Jewett, Leslie Francis Russell, Jonathan Yau

“Visual Normalization” is a web-deployed, interactive tool supporting instruction and self-learning for the normalization of relational database schema. Developed in Java, “Visual Normalization” provides an animated visualization of the process for deriving 1NF, 2NF and 3NF representations of an initial schema. “Visual Normalization” supports two modes of operation. “Demo” mode, presents the normalization of preloaded schemas, supporting instructor-facilitated learning. “Interactive” mode enables the definition of initial schema, generating normal form representations which can be compared to learner-generated normal forms, and facilitates extended learning, facilitated by either instructor or learner.



Air Fare Bidder

Krishna Gaanji, GautamiVerma Gajula, Ramana Gude, Rajagopal Parimi

Traditional way of flight booking is competitive and quite common all over the world. This project is an innovative “Air Fare Bidder” system to broaden the search options for the user. “Air Fare Bidder” is a responsive website accessible by the user using laptops, mobile devices, or tablets. Unlike other websites, this system provides users with bidding options to specify their affordable price for tickets as a bid. The system searches for the flights with user given constraints and offers tickets to the user with specified bid value, if found. If the system does not find flights for the given bid value, it provides the user with notify options where the user is notified immediately via SMS or Email when system finds an airline with the bid fare.



Mobile Application for Residential Community

Uday Bodduna, Raja Rakesh Burugu, EswarReddy Kasu, VamsiKrishna Pannuri

This is an application for residential communities which has four users: tenant, management, maintenance person, and prospective tenants, accessing the system using mobile and tablets on the Android platform and PCs with MS Windows. Prospective tenants can get detail information about the residential community. Tenants can access information, make payments, and contact management for service requests or maintenance needs. Management can access every unit’s information and can schedule maintenance. The system enables the maintenance person to get service requests from management. This application is a transition from current manual paper-based systems to a centralized cloud-based information system with notification capabilities, maintenance tracking, and payment options, accessible using different front end devices. The system is implemented using Java,



Personalized News Aggregation Web Application Using Crawlers

Mah Kadidia Konate, Pattira Umyai, Yang Zhang, Atitegeb Gebreclassie

KAPY’s News is a web application that gathers news from different sources using web crawlers, maps them to various categories and provides a personalized selection for the users based on their predefined profiles. KAPY’s News supports a recommendation feature that suggests to the users the recent news they might be interested in and allows them to get the real time updates by sending notifications. KAPY’s News also promotes user interaction by enabling its members to make comments on each piece of news. This application is implemented using ASP.Net MVC framework, C# for the User Interface development, Python’s BeautifulSoup4 library for web crawling, Lucene.net library for the search engine, and Microsoft Azure’s Cloud SQL Database and Web App Services for the database storage and application deployment. KAPY’s News is available at the website www.kapysnews.azurewebsites.net.



OKUN – Cannabis Management System

Nisha Gupta, Manasa MaramReddy

The Project “OKUN - Cannabis Management System” is a web-based application of Okun Enterprises. This is an online website which deals with medical Cannabis products used for reducing illness, pain and addiction. This system provides delivery services of the products in San Diego within a short span of time (within one day).The details of the customer are stored in the Server side database. The clients have the link to the doctor (which will provide recommendation Id online; which saves times). The Company also has third party verification which are the delivery drivers who check the prescription id at the time of delivery to the customer.



TurboTwo.net

Thomas Vilakis

TurboTwo.net is an advanced web application developed in Angular JavaScript and Python, built on the Bitnami© MongoDB, Express.js, Angular, and Node.js (MEAN) stack. TurboTwo.net ties together independently operating telnet games onto one shared location on the web. Online text-based Multi-User Dungeon & Dragons (MUDD) games predate and are the direct ancestors of many games which are popular today and are played by millions. One game in particular, MajorMud, is a telnet-based MUDD game with duplicate, identical “realms” existing on independent servers and operated by private system operators around the world. In 2011, TurboSenry.net, the only website supporting these game servers, linking their players into a third party global database, closed down permanently and had not been replaced, until now.