Project Plan
Ford Idea Place Mobile Edition

The Capstone Experience

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Project Overview

- Mobile Idea Submission database
- Submit ideas from your phone to improve Ford
- Subscribe to other users to see their ideas
- Push ideas to other users
- Browse idea database and search by various criteria
Functional Specifications

• Submit new idea to database from phone
• Utilize phone features such as audio/video capture, gps, etc...
• Browse and search through database via easy-to-use interface
• Subscribe to other users to view their submissions, as well as push submissions to other users for them to view
• Offer achievements to incentivize users
• Achievements and idea submission can be pushed to Yammer to broadcast within Ford
Design Specifications

• Utilize iPhone and Android OS’s
• Log in using Ford credentials which are stored, then use PIN # to open app.
• Multi-Tab menu application for fast task switching. Tabs include: View and edit user profile, search ideas, submit ideas, etc…
Screen Mockups

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Technical Specifications
System Architecture
System Components

• Hardware Platforms
  ▪ Android 2.x compatible phones
  ▪ iPhone/iPod Touch
  ▪ Windows Server

• Software Platforms / Technologies
  ▪ Android 2.x Operating System written in Java using Eclipse IDE with Android Library Plug-in
  ▪ iOS written in Objective-C using Xcode
  ▪ Windows Server 2008 running MSSQL Server 2008 and Apache 2.2
  ▪ Local LDAP server for testing purposes, later directed to Ford’s LDAP server
  ▪ VisualSVN and TortoiseSVN used for version control and backing up of Source Code
Testing

• Installing mock LDAP server for testing corporate ID log-in
• Testing UI-based Android application on phone / emulator
• Interaction between SQL and mobile devices
• Test encryption on information submitted
Risks

- No experience administering web or database servers
- No experience in any Mobile OS programming
- Little experience in selected languages
- No experience in interfacing with LDAP, SQL or Yammer servers
- No experience with SQL-Java and JDBC (Java Database Connectivity)