Project Assignment, Week 3

Cloud Application Development, MSSA

Link to Video: <https://youtu.be/NpRoZGegzLs>

# Introductory Presentation

* Hi, my name is Matthew Slone and I am presenting my class project for the Microsoft Software & Systems Academy (MSSA), Cloud Application Development cohort. This class is preparing me with the necessary skills to solve complex problems. I’ll be able to learn and adapt to challenging situations through prioritization, analyzation, and attention to detail. My Project is called “HouseCall” and it is an at home free-lance requesting service. The program will bring functions allowing the user to search and request service for a given household issue. The servicer who accepts the job will need to be either notified or be able to search open jobs in the area.

# Deliverable

* Software development cycle, written.
* Oral presentation
  + 5-minute

# Software Life Cycle

* Inception:
  + Creating basic navigation
* Elaboration:
  + Add functionality to the navigation
* Construction: Domain class library should describe your model. Business logic goes into HouseCall.Domain
  + Service Enum Library.
    - Cleaning (Enum)
    - Handyman(Enum)
    - Plumbing(Enum)
    - Electrical(Enum)
    - Haulaway(Enum)
  + Service Professionals
    - List of People/Businesses
    - User ratings
    - Completed jobs
    - Contact info
  + Date & Time
    - Mm/dd/yyyy – AM or PM display to schedule date and time of service needed.
    - Skip feature
  + Bookings
    - Google maps API integration
    - Status of services scheduled
    - Location of hired help in relation to your home
  + Payment
    - Payment method
    - Payment details(reoccurring)
  + Servicer Hub
    - Open for business (hours specified on a 7 day calendar)
    - Job requests
    - Accepted jobs
    - Customer job status
* Transition:
  + As I transition from constructing it I will add necessary functionality.
* Maintenance:
  + LinkedIn API
  + User database
  + Payment authentication
* End of Life:
  + Rework the functionality as user needs change

# Software Development Cycle

* Requirements:
  + There are two different accounts a standard account for people requesting services. The other account is for the Servicer account for people or businesses doing the work. There will be 5 screens. A service, service professionals, date and time, bookings, and payment screen will be necessary to book a service. There will need to be LinkedIn professional’s database integration and Google Maps API integration. The LinkedIn professional’s database will be a feature for the service professional’s screen. The Google Maps API integration will be a feature of the bookings screen. Each screen will display structure listed in the structure section of the software lifecycle previously listed.
* Analysis:
  + The user needs to be able to find and book a servicer for hire. The user also needs to receive notifications, see active services, and make payments. The servicer needs to be able to set job hour preferences and see jobs that they have been selected for.
* Design:
  + Create design from structure desired
* Implementation:
  + Implement design structure
* Testing:
  + Test using alpha and beta releases
  + Bug fixes and routine maintenance

# Software Process Models

* Agile process:
  + I will be using the agile software development methodology to work closely with client needs and deal with them as they may change throughout this process. First you scan, which will bring out emerging trends and early warning scanning. Second you analyze, which will look at information and solutions. Third is respond, which will respond to opportunities and risks. Last change, influencing and shaping future environments.