SE 110: Software Engineering

Spring 2013

Project Proposal

5th February, 2013

Project title: **Reactive Data System (Event Driven Architecture)**

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Team Members :

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Abstract :

        In this project we are trying to build an application which is highly reactive to data modification in RDBMS. For this we need to develop a Event Driven Framework which will consist of mainly three components Event, Dispatcher and Action. User will define events and respective action. Dispatcher will run as a daemon process and check for events continuously if any event occurs then respective action is performed.

        It has many applications in scenario where system has to perform action asynchronously depending on incoming data or time based events. Some of example would be setting minimum threshold value of shares to purchase automatically.

        Our EDA will be generic framework which can be used by almost any event driven application. For demonstrating our RDS we've selected *admission process* as our domain.

Role :

1. EDA - Action Module
2. XML
3. Testing

Faculty Supervisor: Prof. Chandrashekar Ramanathan

Signature of Faculty Supervisor