ClubUML Spring 2014
Kenneth Canaan
Proposal for System Extension and Enhancement

ClubUML System Extension/Enhancements

1. **Navigation Enhancements/User Experience:** Allow menu navigation across all pages in application
   - Add Menu Column within Projects, Context, and Policy page.
   - Allow user to move back and forth between options**.**

2. **Update Merge Functionality:** Allow for Merge of ECORE files. Currently the app only supports the merge of XMI diagrams.
   - If 2 ECORE Class diagrams are uploaded. Merge function should allow diagram A and B to merge
   - ClubUML Fall 2013 recommends decoupling Merge Algorithm and use the new DiagramParser

3. **Use Case Diagrams –** Upload & Compare Use Case Diagrams
   - Allow for upload of Use Case Diagrams created from TBD UML tool
   - Allow for Comparison of uploaded Use Case Diagrams

4. **Bug Fixes**
   - Update DB Login values which are hardcoded into DBManager.java. This is usually the point of failure when multiple users use different login data for their local mysql files
   - DBManager.java has multiple instances of hard coded values for login as per differing OS. Server is based in linux which differs from flow for windows and MacOS. This is a point of failure when deploying to server
   - Fix navigation and access issues throughout application. For example:
     i. When in Project page, if user clicks on "back to previous", application breaks and 404 error message is given
     ii. When Project is created, App sends you back to the home page
     iii. Accessing newly created Context generates 404 error message