Fall2016Swe573_healthTracker

Bogazici University, SWE 573 Fall 2016 project. In this project, I will develop a web application solving needs described in the given requirements document:Project Description.

buildpassin

Project Architecture

As elicitation of the requirements becomes more clear, I will update readme file of my project.

- Server will be written in *Java* as a deployable WAR application, to be deployed on Tomcat Web Container.
- Client-side will be a fully functional html page, client side scripting will be done in *Javascript*.
- As database, I will use *Mysql*.
- For frameworks Apache Maven, Spring Framework and Hibernate ORM will be used. Additional libraries may be found in the pom.xml file.
- For issue tracking, I will constantly update My Issue Repository

Issue Tracking

Issue tracking will be handled through My Issue Repository , I determined issue tags and color codes for issues. Here you can find the basic guidelines of issue categorization:

- Research : Issues regarding to "How to solve project requirements" are handled with this label. Requirements document: Project Description
- Back-end : When a new feature is needed to be implemented in the back-end, regarding to server programming or Database change.
- bug : Whenever I notice a bug, issue about a bug is going to be created. After solving root cause of the bug, regarding UI or Back-end issue will be a follow-up.
- UI : When a new feature or a bugfix is required regarding to *user-interface*, an issue with this label is going to be created.
- TestCase : A TDD as in *Test-Driven Development* issues will be created before actually implementing a feature in the back-end.
- question : No matter how much requirement elicitation has been done, there comes a time when further clarification is required, this is when *question* tagged issue will be created.

About Contributors

This project will be developed by only one person , *ie individual project* , therefore all issues, bugs, requirement-engineering needs to be handled by the repository owner.

Deployable Final Product

Deployable final product will be available for reviewing once there is something actually *implemented*. Until this time, *demo versions* of the product's would be available in web-site link.

However, before even making a *mock-up demo*, requirements must be clarified so please wait until requirement elicitation research issue is closed.

Latest milestone deliverable is deployed on home server.

Project Wiki

As project begins to get into shape, project wiki page will be showing directives how to use and get best from the web-application.

How to Run this project

As this is a completely open-source project, anyone can run this project. But before, you need Mysql Server installed on your system. Hibernate ORM framework handles DBA relations, however project requires an active **Mysql User** with *read-write-update* privileges.

Import pom.xml with *Maven* and project is all set-up. To actually run the server, you should either give *maven command* below:

```
clean install tomcat7:run
```

In order to get *WAR* deployable for seperate *Tomcat* container, you can just *build* the project and get *WAR* file created from *target* folder, which is automatically created by *Maven*.

For only building project, without calling embedded *Tomcat:RUN* command:

```
clean install
```

What have I been doing so far

I will be logging everything I have done for the success of this project, can be seen in my Personal Log

It will be updated constantly and you can catch-up the newest stuff I have added.