Space application

SE452 – Object Oriented Enterprise Application Development

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# Overview

My project is to build an application that has to do with space. Some of my ideas are to pull from the Nasa API and download information into a database. I also want to host a discussion board, and some other features.

# Requirements

The features I want to integrate are:

1. Discussion Boards: Allow users to write and store the information they wrote “ Need Database”
2. API connectivity. I want to connect to a couple different APIs IE Nasa API

## Use Case

## Description of problem

Basic calculator operation service that supports human interaction using Web.

# Design

## Sequence of major functionality

### Web UI (Common case)

The flow of my web UI is that I have a login page that will lead to a main page. From there you can choose what planet you want to travel too. What company you want to travel with and what dates you want to go on. I am having occasional trouble with whitelabel errors. Sometimes the build works and sometimes it doesn’t. I try running on localhost:8080 and I wont change anything but it only works sometimes.

## Table layout

|  |
| --- |
| **User Table** |
| User Name (PK) |
| Password |
| Email |
| Rank |

* I need a table to log users accounts (Username and Password)
* I need a table to store discussion threads
  + I am going to store discussion threads in MongoDB.
  + Problem Key the document by thread then by user and then content of the discussion

{ Topic: {

User1:{

Post:

}

User2:{

Post:

}

Topic2:{ …}

## Deployment

All the classes were packaged into one deployment unit to keep things simple.



Queue: CalculatorQ

Data source: jdbc/sample

# Discussion of how your design met the requirements

This sample project did not meet the functional requirements but was created to validate the component interaction for different technology pieces.

This also serves as a reference document for other projects of basic expectation of the course project work

# Discussion of lessons learned

I am having trouble connecting to MongoDB with mlab. I am not sure if I have incorrect setup or what. I have tried multiple different versions and users. Maybe I am not building it correctly. Here is a youtube video on how to do it. That I will watch next time I try: <https://www.youtube.com/watch?v=ZnOko_y1CfI>

* Was able to connect to MongoDB.
* I need to find out what persistence is
* I was able to connect to MongoDB driver
* Insert into and read from database.
* Problem was that the driver version did not match mlab
* I need to make sure the versions matchup

MySQL Database Setup

What Went Right??  
- Setup Database Instance on AWS

What Went Wrong!!!

-Had trouble connecting to it

WHY DID I HAVE TROUBLES

-I did not make it publicly accessible, and I didn’t have the correct username and password or database name so the instance timed out.

- I am having trouble connected to the JPA database.

- JPA class maps to a table

WHAT TO DO

* Retry with a different instance and make sure that you have the right configuration
* Wait for your modifications to your specific instance to go through

10/5

Problems: I am having trouble connected to JPA

Progress: I created the persistence.xml files and I Started the entity classes that will

Map to a table in my database. However, I have yet to connect the two.

# Decision Log

|  |  |  |  |
| --- | --- | --- | --- |
| **Problem** | **What was decided** | **Alternatives considered** | **Rationale** |
| Which IDE to use | IntelliJ | Eclipse | IntelliJ has a nicer UI |
| Collaboration | Mind mending | Course provided | NA |
| Code repo | Github |  | I know how to use it |

# To Do List

* Connect to MySQL Database Hosted on AWS

# Milestone Screenshot



