Space application

SE452 – Object Oriented Enterprise Application Development

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# Overview

My project is to build a website where people can book trips to space. They will be able to log in select a company they want and a planet to go to and the dates to go. There will be information about the planets and company pulled from the database. After they book their trip there will be a confirmation sent.

# Requirements

The features I want to integrate are:

1. User Database: Store usersnames and passwords in a database
2. Planet and Company Database: Store planet descriptions in a database
3. Different views for each planet

## Use Case

Fun website for people wanting to go to space

## Description of problem

People have no place to go and book imaginary trips to space.

## 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.

The UI ended up being a homepage with companies and planets listed. There is a navbar with a login and home page feature. Each planet has their own page on a planet.

## Table layout

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

* I need a table to log users accounts (Username and Password)
  + I have Mongo Database that has planets and description

{ID:””:

Planet:””

Description:”’

}

# Discussion of lessons learned

.

# Issues

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

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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.

Get Request are simple I am having trouble with posting and connecting everything together.

* Issues configuration of mongodb and spring jpa
* Issues with getting it built [Invocation of init method failed; nested exception is org.springframework.data.mapping.PropertyReferenceException: No property name found for type Planets!]
* Im running MySql Locally.
* ***This was a road block for me. I really struggled with configuration settings and was not able to implement all the features I wanted to. However, I learned a lot about the MVC and how to do a little full stack development. This was interesting things I never did before.***

# 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



