University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: __3___

Date: _2023-03-12__

Group Number: ___49____

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

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Project Summary

The application represents the management of a video game award show. Aspects of the domain that we intend to model are award ceremony, the venue, the address, the awards, community awards, company sponsors, video games, downloadable content (DLC), developers, staff, and the historical data of these aspects for each year of the award show's history.

Timeline

Tech stack : The platform will be on JDBC, as well as using Oracle as our DBMS. Our front end will be built with React.

Deadlines:

- April 5 - Milestone 4
    - SQL script and PDF
- April 11 - Milestone 5
    - 20 minute demo
    -

GUI ideas:

- One page has functionality and to view query results (homepage)
    - to make a query :
        - use dropdown lists to filter for information in our database
    - section of the page to view all query results
        - pagination if there are lots of results
    - has a menu bar that allows user to navigate between pages, persists between all pages
- One page has a lot of text - information / explanation of the project and context
- One page for administration of the tables (ie. creating, or dropping)

List of challenges :

- team hasn't worked with this specific tech stack before, may encounter issues while connecting front-end to back-end
- unfamiliar with JDBC/Oracle in general, will have to review documentation
- working as team in a multi-step program
- possibly having to change our existing schema if it doesn't work out as expected
- making front-end user friendly, intuitive, and not break

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Calendar of tasks:

	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
Week of March 12th	All : Finish M3 commits		***M3 due***				All : Finish reviewing tech stack docs
Week of March 19th	Amy : Begin project repo with Spring / React					Amy: Implementation of SQL done Chris: Create POJO	Jeff: Add Persistence of data
Week of March 26th	Jeff: Set up Controller					Chris: GUI/React front end done + connect to back-end	
Week of April 2nd	All : Prepare pdf submission			***M4 due***		All : Practice demo / review	
Week of April 9th			***M5 due***				

Back-end Tasks

- ☐ use java spring initializr for spring boot
- ☐ create entities according to our schema (POJO)
- ☐ load data from database to store into objects
- ☐ set up the controller

Front-end Tasks (see GUI ideas above)

- ☐ use create-react-app
- ☐ react-router library to allow app to switch to different pages
- ☐ use tailwind library to help with design

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- [ ] fetch data from backend - test to make sure it connects
- [ ] ensure front-end queries reach the database