CSCI 3130 Group 07 Release 1

1. **Entity Relationship Diagram**
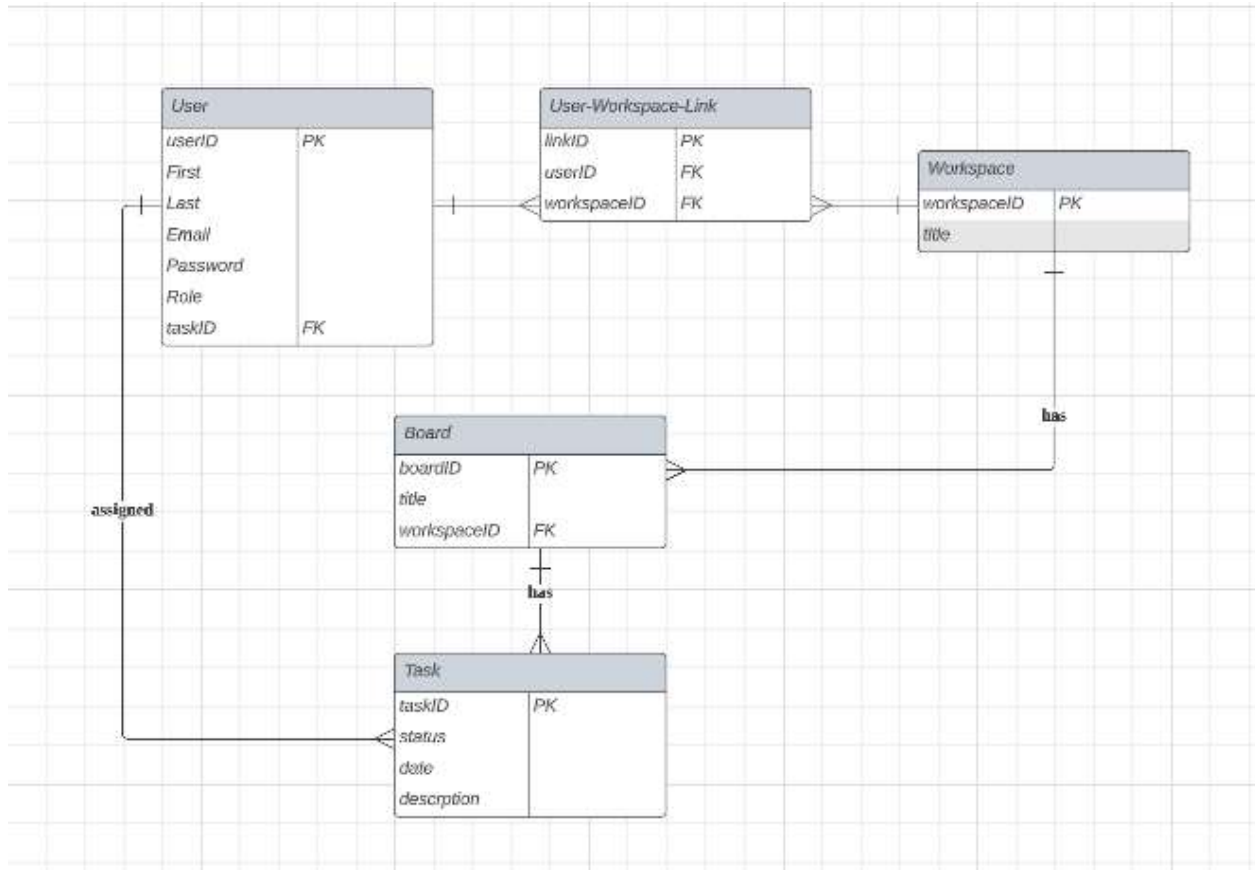
2. Spring Boot Project

Project
- ○ Gradle - Groovy
- ○ Gradle - Kotlin
- ● Maven

Language
- ● Java   ○ Kotlin   ○ Groovy

Spring Boot
- ○ 3.1.1 (SNAPSHOT)   ● 3.1.0   ○ 3.0.8 (SNAPSHOT)   ○ 3.0.7
- ○ 2.7.13 (SNAPSHOT)   ○ 2.7.12

Project Metadata

Group	com.3130
Artifact	Group7 Project
Name	Group7 Project backend
Description	Group7 Project backend
Package name	com.3130.Group7 Project
Packaging	● Jar ○ War
Java	○ 20 ● 17 ○ 11 ○ 8

Dependencies   ADD DEPENDENCIES... ⌘ + B

MySQL Driver `SQL`
MySQL JDBC driver.

Spring Web `WEB`
Build web, including RESTful, applications using Spring MVC. Uses Apache Tomcat as the default embedded container.
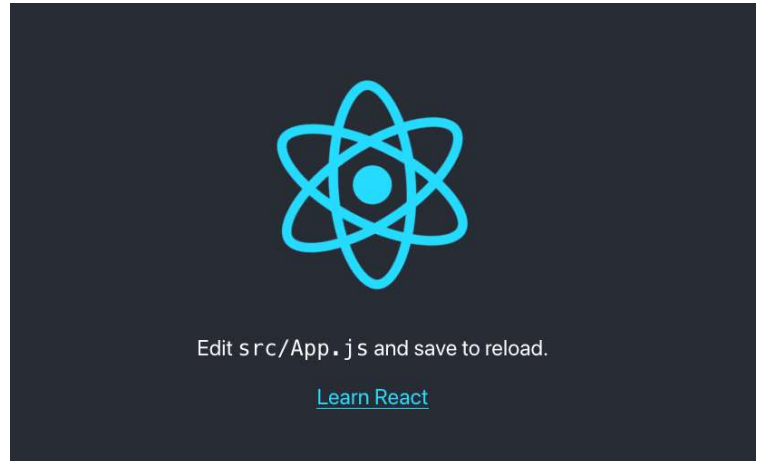
Spring Data JPA `SQL`
Persist data in SQL stores with Java Persistence API using Spring Data and Hibernate.

3. React Application

```
∨ trello-frontend                    ●
  > node_modules                     ●
  ∨ public                           ●
    ★ favicon.ico                    U
    <> index.html                    U
    🖼 logo192.png                    U
    🖼 logo512.png                    U
    {} manifest.json                 U
    ☰ robots.txt                     U
  ∨ src                              ●
    # App.css                        U
    JS App.js                        U
    JS App.test.js                   U
    # index.css                      U
    JS index.js                      U
    🎨 logo.svg                       U
    JS reportWebVitals.js            U
    JS setupTests.js                 U
    ◆ .gitignore                     U
    {} package-lock.json             U
    {} package.json                  U
    ⓘ README.md                      U
```

Edit `src/App.js` and save to reload.

Learn React

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Deliverables

- **Release-1:** Create a data model, set up your frontend and backend projects – Due after week 4
- **Release-2:** CI pipeline, TDD for backend (include test cases only for the business logic and database), complete feature 1 and 2 – Due after week 8
- **Release-3:** Complete features 3 and 4, refactor your project as per the software design principles taught in class – Due after the last week of classes

4. Timeline

Date	Task	Deliverable
Tuesday May 16	-Create rough ERD -Set up the React Application	1
Wednesday May 17 - Monday May 22	-Refine ERD -Upload React App to GitLab -Familiarize ourselves with React (Mozilla WebDocs)	1
Tuesday May 23	-Familiarize ourselves with React (Mozilla WebDocs) -SpringBoot -Screenshot React App	1
Wednesday May 24 - Friday May 26	-Tie up any loose ends, review work to ensure correctness	1
Saturday May 27		Deliverable 1 Due
Week 5 & 6	-CI Pipeline, Focus on frontend	2
Week 7 & 8	-TDD, Focus on backend	2
Saturday June 24		Deliverable 2 Estimated Due Date
Week 9 & 10	-Step 3 (Task Management)	3
Week 11	-Step 4 (Search & Filter)	3
Week 12	-Tie up loose ends, refine project	3
Wednesday August 2		Deliverable 3 Estimated Due Date