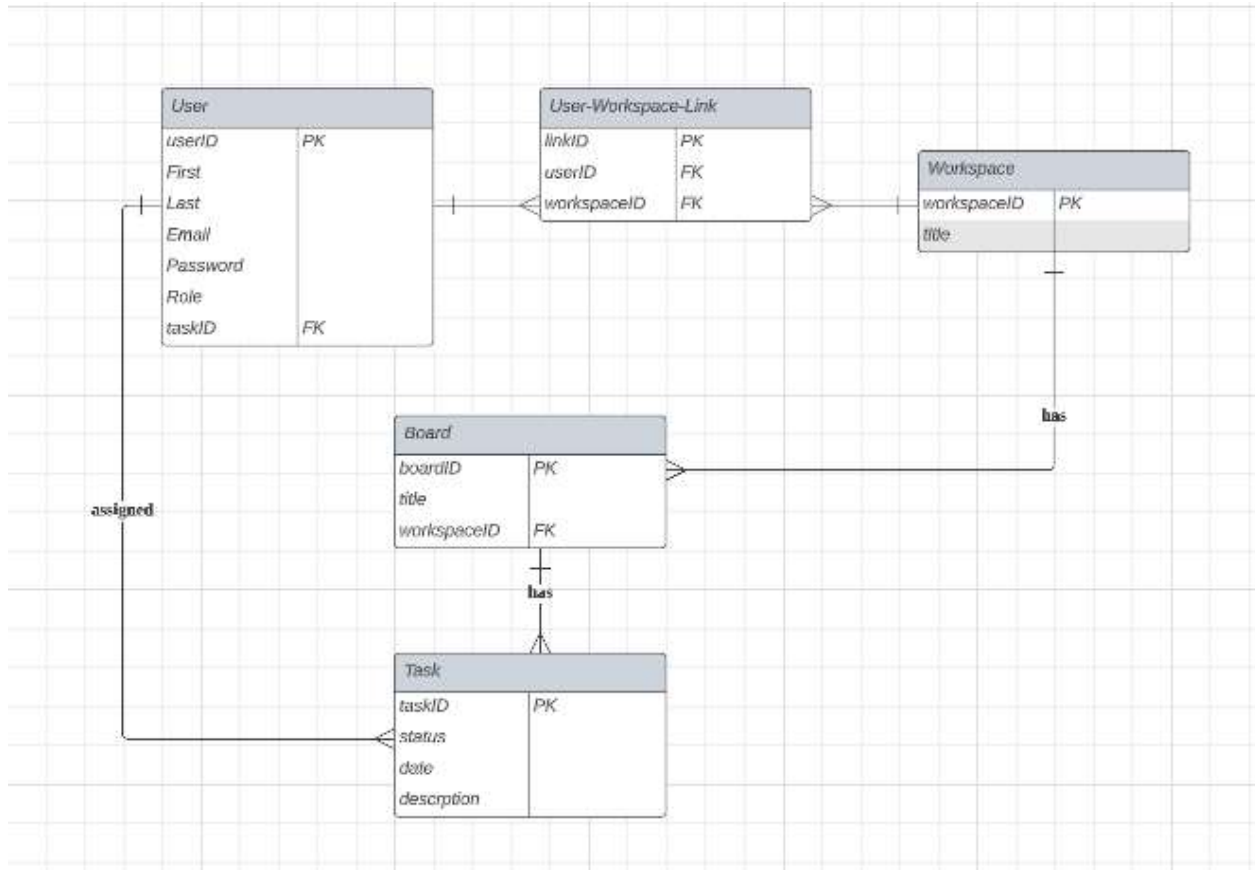


CSCI 3130 Group 07 Release 1

1. Entity Relationship Diagram



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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

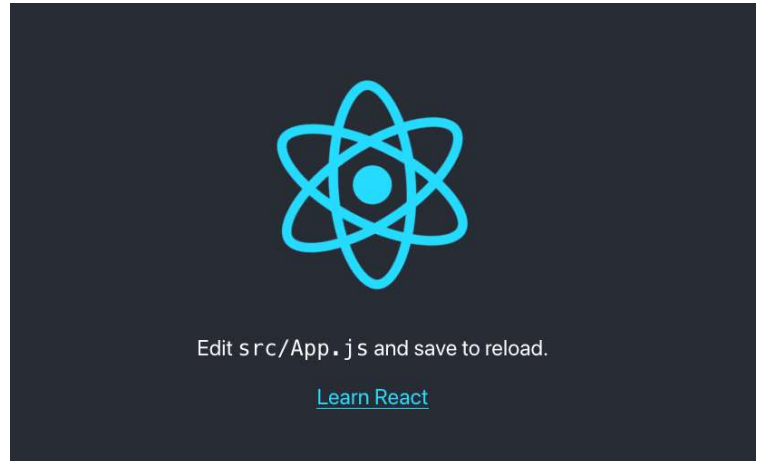
Persist data in SQL stores with Java Persistence API using Spring Data and Hibernate.

```
server.port=9001
spring.datasource.url=jdbc:mysql://localhost:3306/backend
spring.datasource.username=root
spring.datasource.password=1qaz!@WSX@

2023-05-25T09:18:52.963-03:00 INFO 49325 --- [main] c.t.TrelloBackendApplication : Starting TrelloBackendApplication using Java 18.0.2.1 with PID 49325 (/Users/nanining/Desktop/trello-backend/target)
2023-05-25T09:18:52.967-03:00 INFO 49325 --- [main] c.t.TrelloBackendApplication : No active profile set, falling back to 1 default profile: "default"
2023-05-25T09:18:53.236-03:00 INFO 49325 --- [main] s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2023-05-25T09:18:53.246-03:00 INFO 49325 --- [main] s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 0 ms. Found 0 JPA repository interfaces.
2023-05-25T09:18:53.488-03:00 INFO 49325 --- [main] o.s.b.e.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 9001 (http)
2023-05-25T09:18:53.485-03:00 INFO 49325 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2023-05-25T09:18:53.485-03:00 INFO 49325 --- [main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.8]
2023-05-25T09:18:53.526-03:00 INFO 49325 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2023-05-25T09:18:53.527-03:00 INFO 49325 --- [main] o.s.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 548 ms
2023-05-25T09:18:53.586-03:00 INFO 49325 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2023-05-25T09:18:53.758-03:00 INFO 49325 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Added connection com.mysql.cj.jdbc.ConnectionImpl@174721c4
2023-05-25T09:18:53.779-03:00 INFO 49325 --- [main] o.hibernate.jpa.internal.util.LogHelper : HikariPool-1 - Start completed.
2023-05-25T09:18:53.807-03:00 INFO 49325 --- [main] org.hibernate.Version : HH0000204: Processing PersistenceUnitInfo [name: default]
2023-05-25T09:18:53.897-03:00 INFO 49325 --- [main] org.hibernate.Version : HH0000412: Hibernate ORM core version 6.1.7.Final
2023-05-25T09:18:53.959-03:00 INFO 49325 --- [main] SQL dialect : HH0000400: Using dialect: org.hibernate.dialect.MySQLDialect
2023-05-25T09:18:54.082-03:00 INFO 49325 --- [main] o.h.e.t.j.p.i.JtaPlatformInitiator : HH0000498: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
2023-05-25T09:18:54.087-03:00 INFO 49325 --- [main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2023-05-25T09:18:54.113-03:00 WARN 49325 --- [main] jpaBaseConfiguration$JpaWebConfiguration : Spring.jpa.open-in-view is enabled by default. Therefore, database queries may be performed during view rendering. Explicitly configure it with spring.jpa.open-in-view=false
2023-05-25T09:18:54.288-03:00 INFO 49325 --- [main] o.s.b.e.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 9001 (http) with context path ''
2023-05-25T09:18:54.286-03:00 INFO 49325 --- [main] c.t.TrelloBackendApplication : Started TrelloBackendApplication in 1.483 seconds (process running for 1.768)
```

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3. React Application



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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