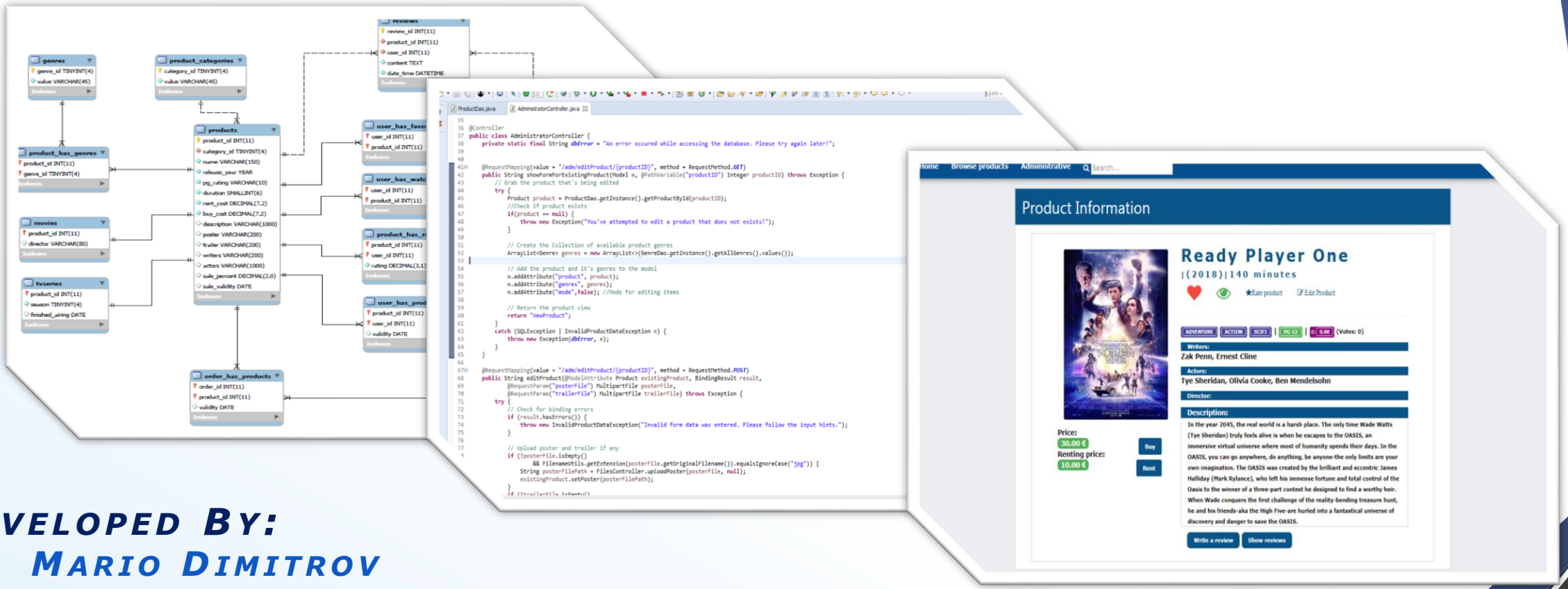
IT TALENTS TRAINING CAMP SEASON 9

GROUP JAVA EE 1

FINAL PROJECT

FILMOTEKA.BG



DEVELOPED BY:

- MARIO DIMITROV
- SVETOSLAV GEKOV

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1. About us

Svetoslav Gekov

Age: 25

Education: Land Surveyor Engineer

Current employment:
Assistant Professor, Geodetic Faculty, UACEG, Sofia, Bulgaria

Mario Dimitrov

Age: 20

Education: Studying Computer Science - Software Engineering, Technical University, Sofia, Bulgaria

2. Project overview

A web project for accessing Movies and TV Series through an online platform.

Based on successful web platforms like:

Vudu, QuickFlix, PrimeVideo

2. Project functionality

Our project allows the user to do the following:

- Register, login and edit a personal account;
- Browse and search through the available products;
- Add and remove products from his personal collections (favorites, watchlist and cart);
- Buy the products in his cart;
- View his orders history;
- Rate and comment products;

Administrator specific:

- Create and edit products;

Other:

- Automatic email notifications for products nearing their expiration date;
- Automatic deletion of expired products;

3.1. Backend technologies

What is backing us up?

Database:

- MySQL Server
- MySQL Workbench

Programming language & IDE:

- Language – Java (JDK 8)
- IDE – Eclipse Oxygen 3 For Java EE

Web Server:

- Apache Tomcat 8.5

Java Frameworks:

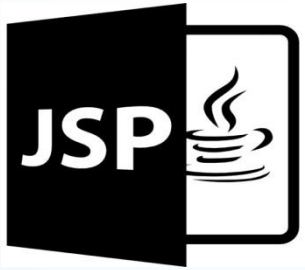
- Spring Boot

3.2. Frontend technologies

What is up in the front?

Views:

- Java Server Pages (JSP)
- HTML 5



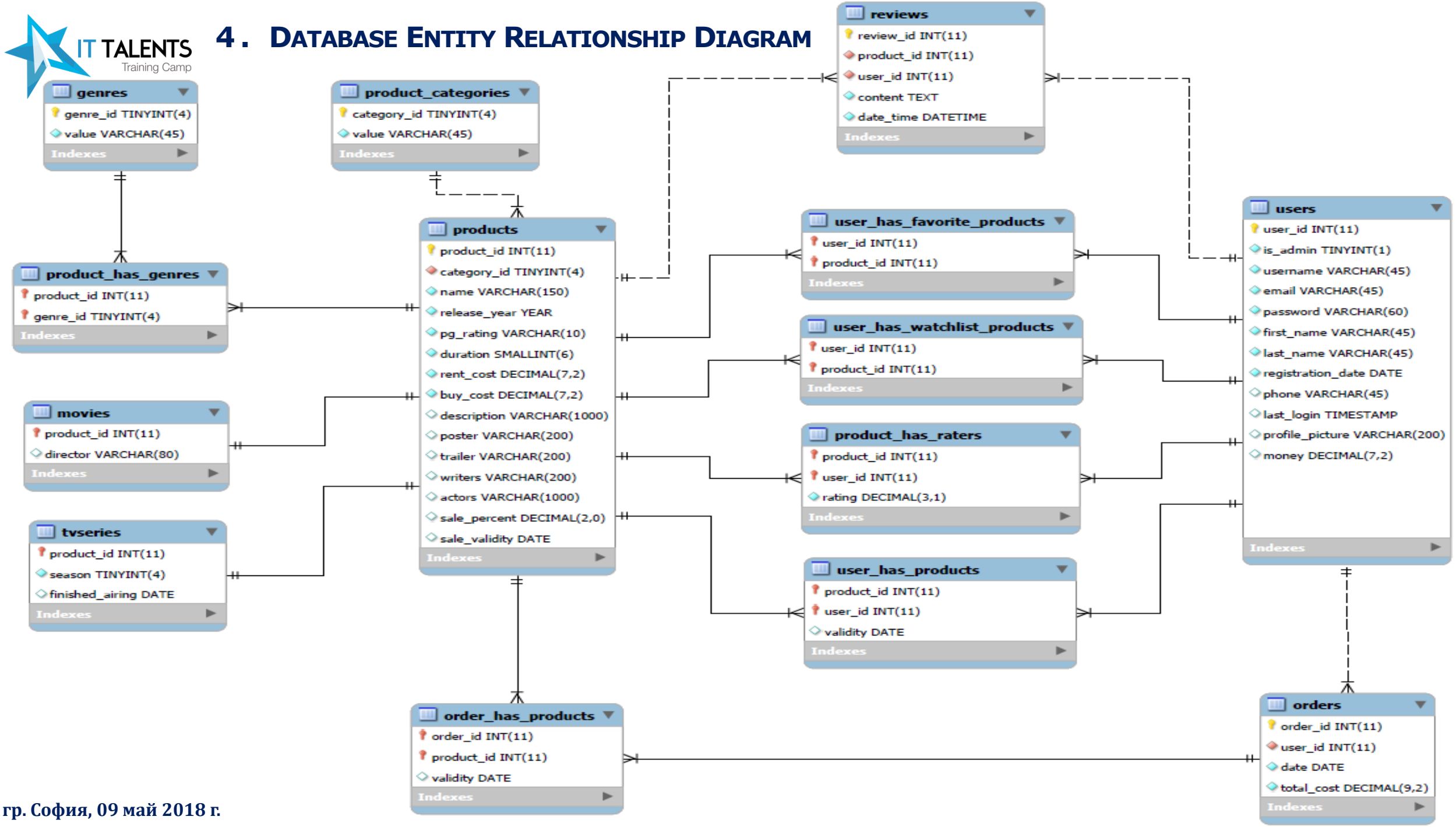
Additional Code Using:

- JavaScript (JS)
- Java Standard Tag Library (JSTL)

Stylization:

- Standard CSS
- W3.CSS

4. Database Entity Relationship Diagram



5. Class Diagram

Model

- Movie
- MovieAPI
- Order
- Product
- Review
- SimpleProductFactory
- TVSeries
- User
- Genre
- ProductCategory
- ProductCategoryDao
- GenreDao
- MovieDao
- OrderDao
- ProductDao
- ReviewDao
- TVSeriesDao
- UserDao

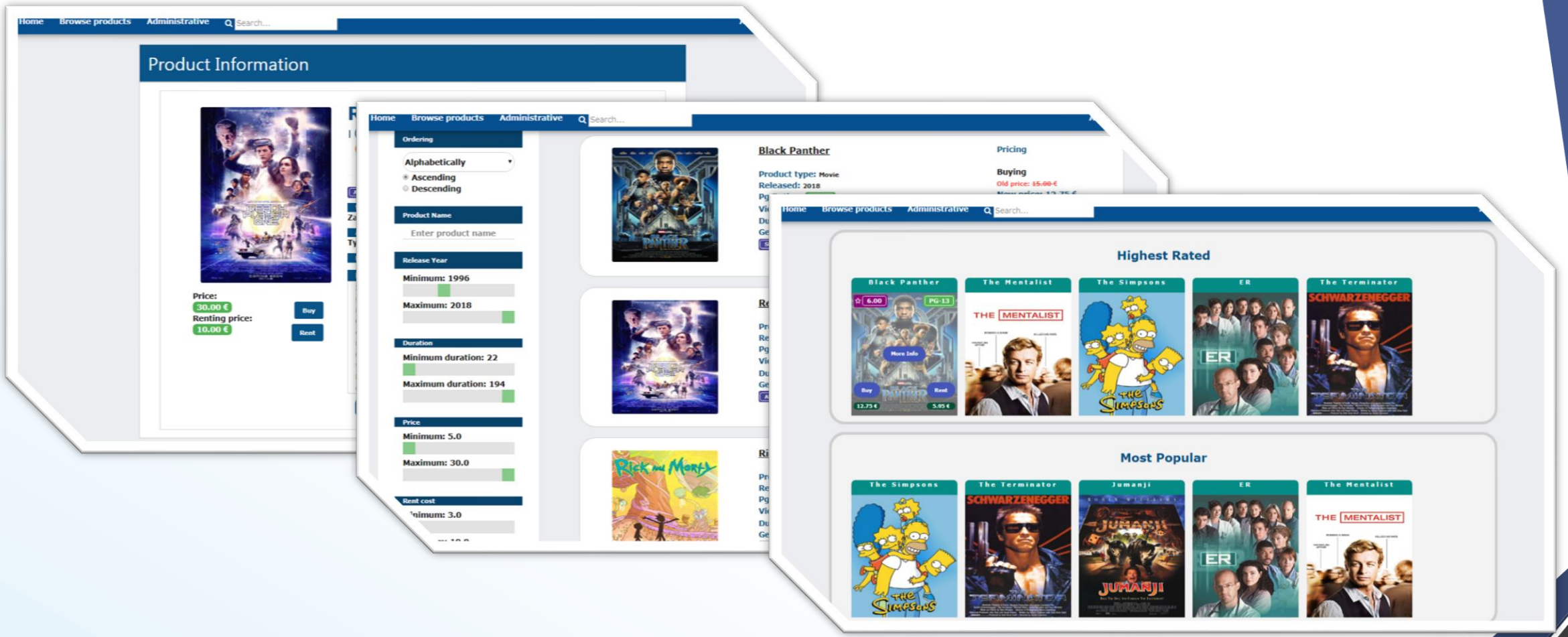
View

- account.jsp
- browseProducts.jsp
- cart.jsp
- error.jsp
- header.jsp
- index.jsp
- main.jsp
- order.jsp
- orders.jsp
- product.jsp
- productsList.jsp
- unauthorized.jsp
- newProduct.jsp
- newProductApi.jsp

Controller

- GenreManager
- OrderManager
- UserManager
- AdministratorController
- CartController
- CollectionsController
- ExceptionHandlerController
- FilesController
- OrdersController
- ProductController
- UserController

6. Live Demonstration



THANK YOU FOR YOUR ATTENTION!

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