University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 22

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
Suhayl Patel	74030826	z8q5f	suhayl.patel@outlook.com
Keean Vidyarthi	80912504	k9x4u	keeanvid1@gmail.com
Weena Wibowo	74581323	r8q5n	weenawibowo@hotmail.com

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

1. A completed cover page (template on Canvas)

See attached above.

2. A brief project description answering these questions:

a. What is the domain of the application? Describe it. The domain of an application refers to the area of knowledge your application resides in. For example, if I am making an application for a hospital, the domain would be something like healthcare/patient management/logistics (it would depend on what the application is trying to do).

The domain of our application is related to streaming services, entertainment, and media. We've chosen this domain because the project aligns with our interests as a group and believe the use of streaming platforms will continue to be relevant in the future, making the project both interesting and useful.

b. What aspects of the domain are modeled by the database? In answering this question, you will want to talk about what your project is trying to address and how it fits within the domain. It is likely that in the process of answering these questions you will bring up examples of a real-life situation that the application could be applied to.

The database models the relationships between producers and consumers of streaming content from the perspective of the streaming service provider. The application could be useful to any future streaming service providers, as it allows them to manage aspects of their service including: content available on the platform, users that will be consuming content, subscription options, and more.

3. Database specifications: (3-5 sentences)
a. What functionality will the database provide? I.e., what kinds of things will people using the database be able to do
This database will be used by streaming service providers, representing the various relationships needed in their streaming service database. The database functionality will allow for:

- **Management of content available to users on the streaming service (both TV shows and movies), which is provided by various media producers**
- **Tracking users' watchlists, favorites lists, and watch history**
- **Adding and removing users to/from the database**
- **Managing user subscriptions and payments**
- **Categorization of media by genre**
- **Ability to associate user's reviews with different content**

4. Description of the application platform: (2-3 sentences)

a. What database will your project use (department provided Oracle)? See the “Project Platforms” section of this document for more information.

Our project will use Javascript and Oracle as the database. We chose this platform because we wanted to develop a new skill, and Oracle is the ideal option as it is provided by the CS department and has thorough documentation available for us to follow.

b. What is your expected application technology stack (i.e., what programming languages and libraries do you want to use)? See the “Project Platforms” section of this document for more information.

Our expected tech stack will be a React front-end, Node.js back end, and Oracle as the database. We may also incorporate Express JS depending on the scope of our project.

i. You can change/adjust your tech stack later as you learn more about how to get started for the project via latter tutorials.

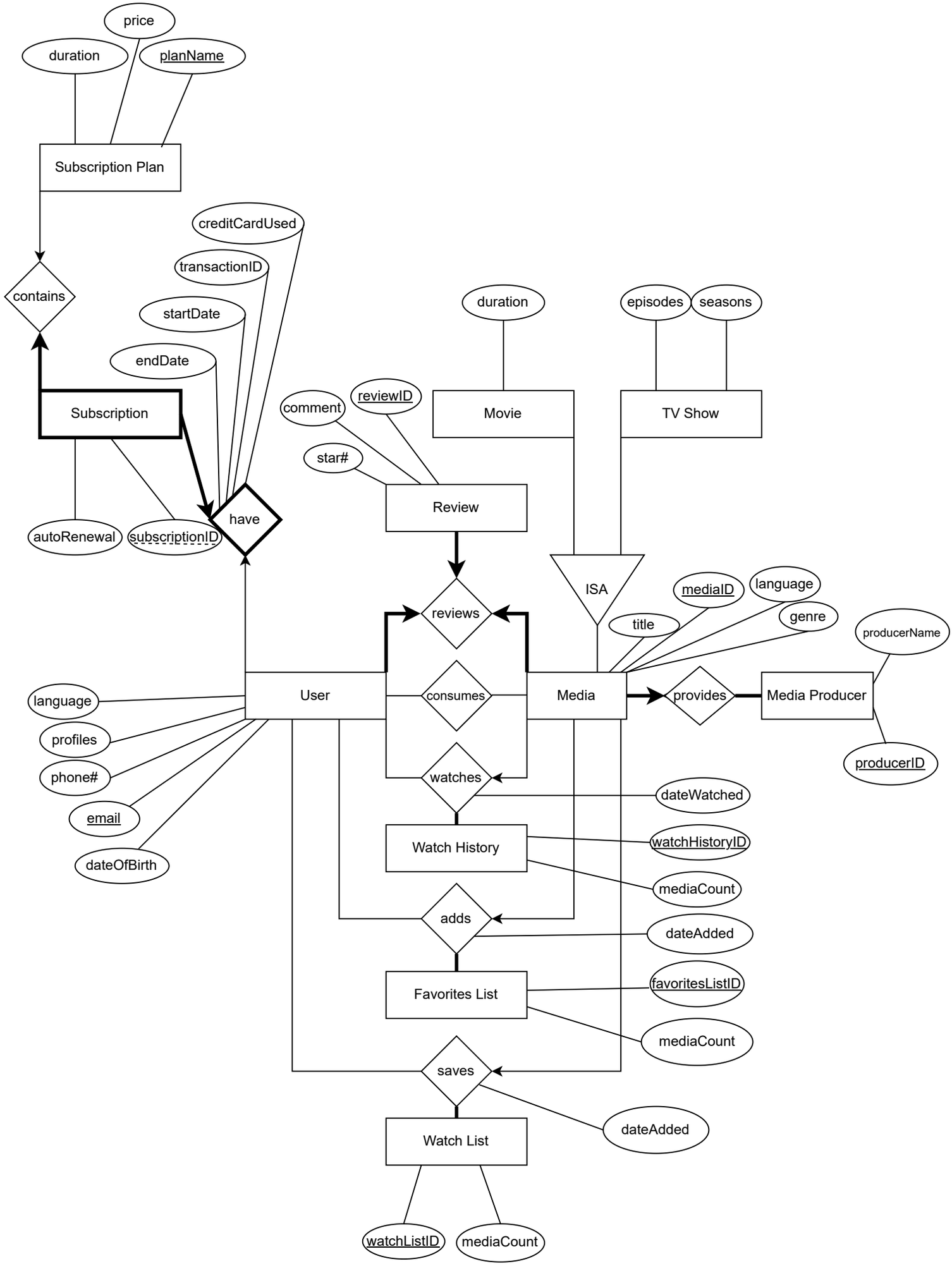
5. An ER diagram for the database that your application will use. It is OK to hand-draw it but if it is illegible or messy or confusing, marks will be taken off. You can use software to draw your diagram (e.g., draw.io, GoogleDraw, Microsoft Visio, Powerpoint, Gliffy, etc.) The result should be a legible PDF or PNG document. Note that your ER diagram must use the conventions from the textbook and the lectures. For example, do not use crow’s feet notation or notation from other textbooks). a. Please limit your diagram to a letter size page (8.5 x 11 inches). If you require additional space, talk to your project mentor beforehand as this might mean that your project is a bit more complicated than what we expect.

The ER diagram, which has been created using an online software (draw.io) has been attached to this PDF file below this page.

6. Your E/R diagram should adhere to the expectations listed above.

Completed.

7. Other comments, as appropriate, to explain your project.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