

A brief project description answering these questions:

a. What is the domain of the application? Describe it.

The domain of the application is a database for various online services (both those that require and don't require subscriptions) and the focus is going to be on the data about the online services as well as the users of these online services.

b. What aspects of the domain are modelled by the database?

The aspects of the domain that are modelled by the database are as follows (NOTE: not all attributes are specified here, refer to the ER diagram below to see them all):

Each online service must be at least one of the three types of online services being for music, movies, or game service. Each of these online services requires some type of media (ie. songs, movies, or video games) and each of these media requires at least one (or at most one for movies) artist/movie company/developer. The media only contains basic information, such as the name of the company. The online service also contains data about version types, monthly users, and monthly downloads. Also, some online services require subscriptions to access them. Users can pay for subscriptions to access certain services. Users can provide a review for the online service and, in order to access the service, users must use a device. The user device contains information such as the brand and model number. Lastly, each device is either a smartphone or a computer.

3. Database specifications: (3-5 sentences)

a. What functionality will the database provide?

This database will provide functionality for inserting, updating, and deleting information about customers, reviews, devices, subscription services, and their corresponding media. This database will make it easier for advertisers and product designers to understand usage details of their service by accessing data such as the demographic of users, devices being used, what titles are most popular, etc..

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

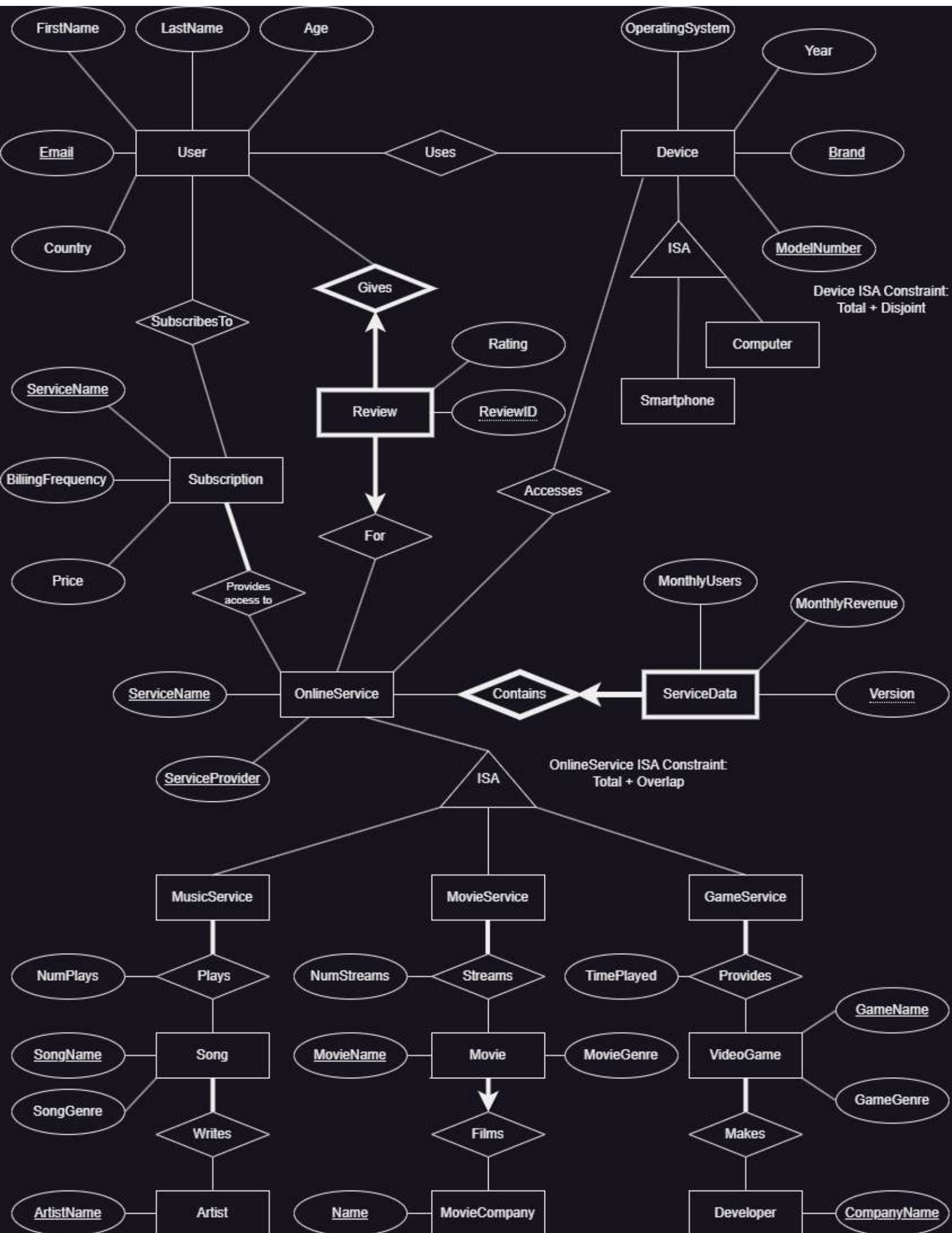
a. What platform will your project use (PHP/JDBC/etc.)?

The platform we will be using for our project will be PHP and JDBC

b. What is your expected application technology stack (i.e., any other things that you're using other than whether you're using PHP or JDBC)? Note that for DBMSs, we will only provide support for using the department's installation of Oracle. You are on your own for anything else.

Our expected application technology stack will likely just be using PHP and JDBC and we'll be following the department's installation of Oracle.

5. An ER diagram for the database that your application will use.



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

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