

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 53

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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)

2. A brief project description answering these questions:

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

The domain of the application is music/record label industry organization and logistics. Record labels are companies that maintain contracts with artists and help develop, distribute, and promote their music. Our application will focus specifically on how record labels manage rock/pop bands.

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

The main goal of a record label is marketing their clients. Our database will model this by keeping track of all the revenue streams of the bands. This includes a band's songs, albums, merchandise, concerts, as well as the promotion of their music on streaming platforms.

3. Database specifications: (3-5 sentences)

a. What functionality will the database provide?

Bands can add/remove their own songs, albums, concerts, and merchandise.

Bands can sort their upcoming concerts by date and time.

Record labels can add/remove streaming platforms for bands that are signed to them.

Record labels can set the release dates of songs and albums produced by bands that are signed to them.

Both record labels and bands can search for any band's rating on the artist charts (ex. Artist 100 - Billboard).

Both record labels and bands can see how many streams a song from any band has on a specific streaming platform.

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

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

We will use PHP as our platform.

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.

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

Our tech stack will be PHP/Oracle. For the application itself, we will use Python.

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 (Do not use crow's feet notation or notation from other textbooks).

ER Diagram is on the next [page](#).

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

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

