

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 41

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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

Project Title: Marriage Pact App

1. Cover Page attached in separate file

2. Project Description

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

- The domain of this application is **social matchmaking**, specifically focused on helping individuals find compatible partners through personality assessments. The app uses a standardized survey to derive personality traits that facilitate matchmaking based on compatibility.

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

- The application models **users**, their **survey responses**, derived **personality traits**, and **matches** created based on compatibility scores. The database tracks user interactions with the survey, stores results, manages user messages, and facilitates meaningful connections with a pact. A pact means the two users who are in the pact will get married if both are not married by the time they are 40.

3. Database Specifications

- The database will provide functionality to manage user profiles, administer surveys, capture responses, derive personality traits, generate compatibility matches, and enable messaging between users.

4a.) What database will your project use (department provided Oracle, your ownMySQL, etc.)

- **We will use our own MySQL database**

4b.) 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.

- Node.js
- React
- MySQL Database
- ExpressJS

5. ER Diagram

- **Attached in separate file**

