University of British Columbia, Vancouver

Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

Date: Oct. 6, 2023

Group Number: 8

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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

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2) Brief Project Description:
   a. What is the domain of the application? Describe it.
      - The domain of our application is Business/Appointment Management
   b. What aspects of the domain are modeled by the database?
      - Our database models these key aspects of a Centralized Business Appointment Scheduling System domain:
        - Customers: Stores contact information and associated appointments and reviews
        - Reviews: Stores info about associated customer and appointment
        - Administrators: Stores contact information and business which is managed by this admin
        - Businesses: Stores information such as business info and its branches
        - Branches: Stores branch contact info, services provided in this branch, and appointments associated with this branch
        - Appointments: Stores the appointment details and associated branch, customer, specialist, and review (if any)
        - Specialists: Stores information such as name, contact information, rating and associated branch of their appointments
        - Services: stores info about which specialists and branches provide this service
        - Payment: stores invoice details
3) Database specification platform:
   a. What functionality will the database provide?
      The database will:
        - Provide the platform the ability to book, cancel and modify appointments,
        - Store information about the customers, businesses, appointments and specialists, and all the listed entities above
        - Keep history of the appointments and its associated invoice
4) Description of the application platform:
   a. What platform will your project use?
        - The technology we chose for the fronted end will be typescript because of its ease of use, wide adoption across the web, powerful functionality, and large number of libraries that make development

much smoother. The API server will be in JDBC as it integrates well with the Oracle DBMS.

b. What is your expected application technology stack(any other things that you're using other than whether you're using PHP or)
   - For our DBMS we decided to choose Oracle as we will be able to receive assistance from faculty if we run into issues.

ER Diagram