University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 01

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Group Number: 76

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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 email 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 Description:

- *What is the domain of the application?*
  The domain of the application is a Race Event and Logistics Manager for the use of both the organisers and runners.
- *What aspects of the domain are modelled by the database?*
  Runners get access to the result of past races and donations. Organisers are able to keep track of each race, race course, volunteers, runners, sponsors.
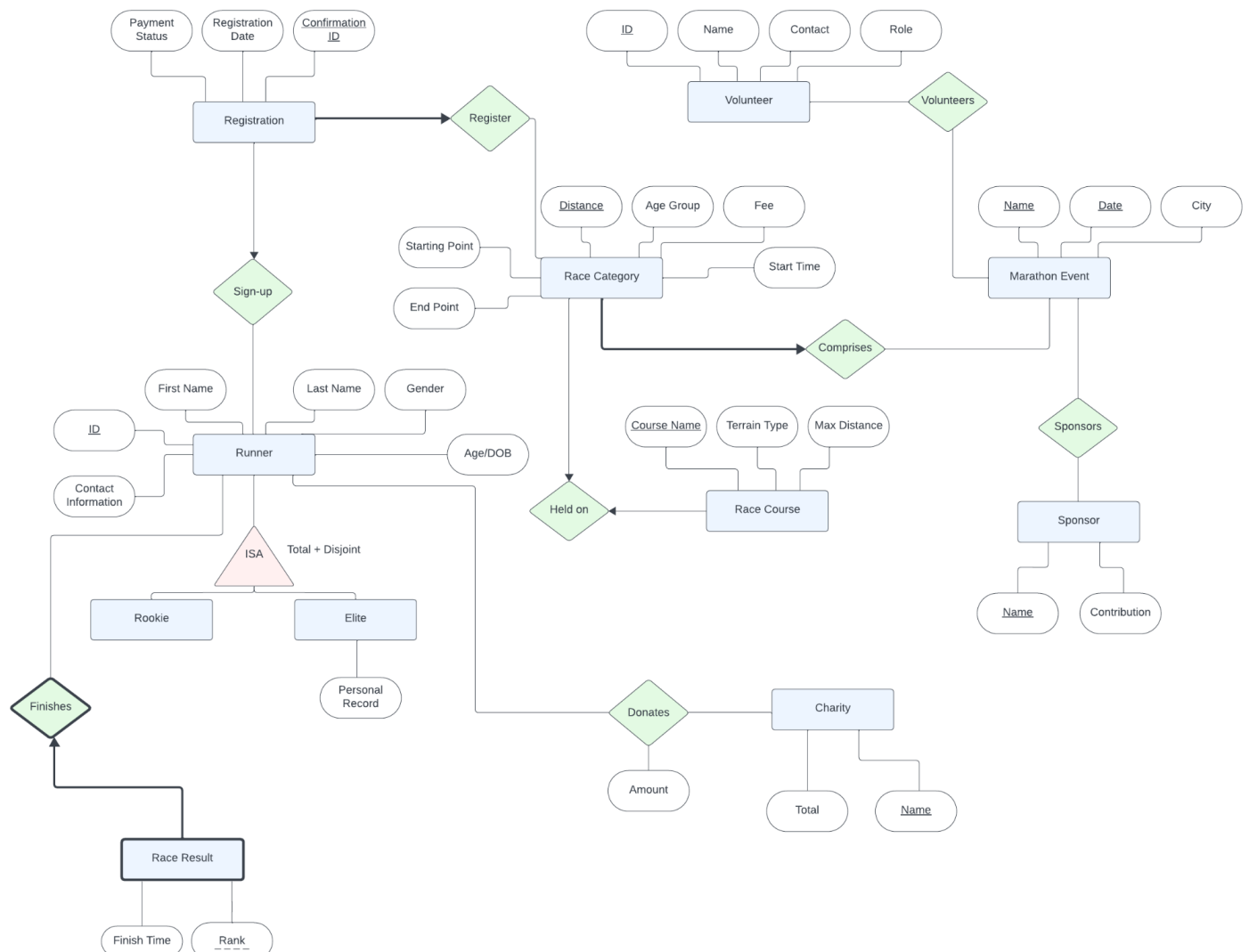
Database Specification: (3-5 sentences)
- *What functionality will the database provide? i.e., what kinds of things will people using the database be able to do.*
  - Runners can access their past race registrations and results.
  - Users can sort and filter results based on age group and gender.
  - Organisers can keep track and edit information regarding
    - Runners
    - Volunteers
    - Race courses
    - Sponsors
  - Users can view the top donations made for a marathon event.

Description of the Application Platform:
- *What platform will the final project be on? What is your application technology stack?*
  a) Database: Oracle
  b) Technology Stack: TypeScript, React

ER Diagram

Comments:
- The application considers many different Marathon Events organised by the same organisation.
- For each Marathon Event, there are multiple race categories. Subsequently, for each category there will be one race course. So even if two separate marathons use the same course, it would still fall under the one-to-one relation as the course is related to a category which is related to a marathon event.
- Race Result is a weak entity as its uniqueness and meaning depends on the context provided by or associated with the Runner entity.
- It is also assumed that each sponsor and charity has a unique name.