CST2355 Assignment 2 Proposal

Joseph Garwood

Eren Ugur

Ethan Huang

**Section 1:**

Topic chosen: Appointment scheduling for appliance repair.

**Customers:**

Customers table stores information about customers that need appliances repaired. Each customer table is-a customer. This table will contain information such as customer name, numbers, emails, a unique ID number.

**Customer\_Appliances:**

Customer\_Appliances table will act as a junction table between Customers and Appliances to handle the many-to-many relationship. This will allow for normalized data without anomalies.

**Appliances:**

Customers will be related to Appliances (through Customer\_Appliances) because each customer will have at least one appliance. This table will hold information such as appliance type, appliance name, and a unique ID number.

**Appointments:**

Appliances table is related to Appointments because each Appointment will have at least one Appliance. Appointment table will include appointment time/date, repair cost, and customer associated with it, and a unique ID number.

**Technicians:**

Appointments is related to Technicians because each appointment has-a (could be “is-assigned-to a”) technician. Technician table will include technician ID number, name, and the appointments associated to them.

**Customer** >has-a> **Appointment** >assigned-to> **Technician** >works-on> **Appliances**

**Section 2:**

Group members:

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| Student Name | E-Mail |
| Joseph Garwood | [garw0004@algonquinlive.com](mailto:garw0004@algonquinlive.com) |
| Eren Ugur | [Ugur0004@algonquinlive.com](mailto:Ugur0004@algonquinlive.com) |
| Ethan Huang | [Huan0300@algonquinlive.com](mailto:Huan0300@algonquinlive.com) |

**Role Distribution:**

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| --- | --- |
| Task | Student |
| Front End | Ethan Huang |
| Documentation | Eren Ugur |
| Data Logistics | Joseph Garwood |