

ACIT 3855 API Project Details

Nazira Fakhrurradi - A01279940 - Set 4B

Description

This is a mobile application for a business that allows users to order items to be delivered at their door. The business will have a randomly selected driver that will deliver the items to the users.

Events and Peak Events

The events are delivery requests and delivery schedules. The delivery request events are predicted to be high on weekends with as many as 5000 requests per second. The delivery schedule events are predicted to be high on weekdays with as many as 1000 requests per second.

The requests are stored to allow the following:

- Users to view and edit their delivery requests
- Drivers to accept and view their delivery schedules
- Business to view all delivery requests and schedules for analytics and reporting

Users with Descriptions

Users of the system are customers (mobile users), drivers, and management.

Classes/Objects

- Delivery
 - Delivery_ID: string (uuid)
 - User_ID: string (uuid)
 - Item_Quantity: int
 - Created_Date: datetime
- Schedule
 - Schedule_ID: string (uuid)
 - User_ID: string (uuid)
 - Number_of_Deliveries: int
 - Created_Date: datetime