





Assumptions

- Assume EVArrivalTime is recorded in regards to a queue, EntryTime to the charging station, and may be different
- Assume this case study is within Australia and implements Australian conventions(e.g. postcode is 4 characters long) with values such as the ABN (unique to Australia)
- Assume "ChargingRate", "BatteryCapacity" in kilowatts (kW), "PeakCost" and "OffPeakCost" in cents per kilowatt hour(cents/kWh) are:
 - o stored as integers (examples omitted decimals)
 - o 65535 at the maximum
- Assume "DiscountValue" is:
 - o measured in Australian dollars (AUD)
 - o stored as a DECIMAL type with 2 decimals to adhere to the conventions regarding money
 - o will not exceed \$(1+10^10) in value
- Assume "VIN" is 17 characters long and alphanumeric
(<https://www.infrastructure.gov.au/infrastructure-transport-vehicles/vehicles/importing-vehicle/vin>)
- Assume "ABN" is a unique 11 digit identifier
(<https://abr.business.gov.au/Help/AbnFormat>)
- Assume "LicenseNumber" has maximum 10 characters and is numeric or alphanumeric
(<https://apidocs.frankiefinancial.com/docs/aus-drivers-licence>)
- Assume "OutletID" is stored as an unsigned integer and is at most 255.
- Assume the "EVPosition" in queue is measured as an unsigned integer no greater than 255
- Assume for all IDs mentioned within the study, whose format isn't explicitly stated here or in the study, the ID will be recorded as an unsigned integer