

CIT 21300

Assignment: Advanced Class Diagrams

What's the Big Idea?

Revise your initial Class Diagram to include advanced UML notation.

Instructions

This is an Individual Assignment.

Refine your UML class diagram (or start from the provided sample solution) so that it demonstrates the following:

- Classes (using the complex class symbol in Lucidchart!)
- Associations (**with multiplicities AND association names**)
- Generalizations (if any)
- Compositions (if any)

Focus **ONLY** on the following activities within the BlueIndy system:

1. Start a Trip
2. Reserve a Vehicle
3. Make a Parking Reservation
4. Make a Charging Session for a Personal Vehicle
5. End a Trip or Charging Session
6. Submit a Support Ticket for a Vehicle or Station

Bonus Opportunity

For **up to 5** bonus points, do the following:

Add the *primary key* necessary to support any relationships that have a multiplicity of "1" as an attribute in the corresponding class.

Submitting Your Work

Attach a PDF from Lucidchart to the assignment page. **ONLY** PDFs from Lucidchart will be accepted.