# WIL PROJECT

**Program Name:** Full Stack Software Development

**Project Code:** CPL-5559-[FSDS]

## Week 6

### Applicable VLOs or EESs for This Week's Case Study

2. Design, model, implement, maintain, and query databases using an enterprise-level relational database management system (DBMS) to satisfy end-user specifications.

### This Week's Detailed Case Study Information

You wake up much, much, MUCH too early to begin week six. Your alarm hasn't gone off; you just woke up and can't fall back asleep. You sit up, feeling a little groggy, and rub your eyes.

"Well, I suppose it's time to get up," You say out loud to the darkness enveloping your room. You get up, walk to the kitchen, and look at the green light illuminating the room. It's the clock on your microwave, and it says that it's 4:36 a.m. In response, you make yourself the most delicious scrambled eggs that you think you have ever eaten.
About half an hour later, you go to the computer and decide that there is no time like the present to get to work.

Subject: Week #6

*Greetings everyone!*

*Please accept the attached audio clip as the informative explanation of what you will be working on for this week's deliverable.*

*Thanks!*

*Carlos Torres*
*Co-founder of Webgate Core Solutions & Intern Supervisor*

You listen to the audio clip, where you learn about ER diagrams, databases, and other pertinent information for this week's deliverable. You start writing out emails to your team members and prepare yourself for another collaboration session at Starbucks!

Oh wait, it's only 5:30 a.m. Maybe you should try to get some more sleep first…

## Deliverables for This Week's Case Study

Your tasks this week include:

- Create a real-life scenario where a database is needed.
- Develop an ER diagram to model the data. You can choose to use AI-generated data or fill it in with your own hypothetical data.
- Based on the ER diagram, how would you implement the database and write queries that satisfy end-user specifications into a DBMS?
- Hand in your diagram along with an audio clip of you and your teammates explaining the answer to the question above.