

Team Project Prototype

Overview

Using Node.js and MongoDB, we build

In this project, we build a ToDo App step by step.

1. It uses a 3-Tier Architecture.
2. It uses JavaScript frontend, Node.js Backend, and MongoDB/SQLite database.
3. This project prototype has five steps.

This app is a prototype of a team project.

Five Steps

1. REST API
2. Mongoose ODM (Object Data Modeling)
3. API
4. API with SQLite
5. API with ORDB (Object Relational Database)

Assumption

1. Students already know the following:
 - Front-end programming: JavaScript from ASE 220
 - Server-side programming & REST API from ASE 230
 - Database programming: MongoDB from ASE 220

2. Students know SQL

- MySQL from ASE 220
- SQLite is nothing more than a file-based SQL

3. Students know Deployment

- Deployment using Docker from ASE 230

Ready For Project

We will discuss project-related topics in the 'Ready for project':

1. Node.js
2. MongoDB & Mongoose
3. Express
4. SQLite
5. Deployment (Optional)