

Regeneration Vehicle Insurance Project

Team Leader

- Αναστασάκη Ιωάννα

Team Members

- Βασιλάκη Ελένη
- Κωνσταντινίδης Νικόλαος

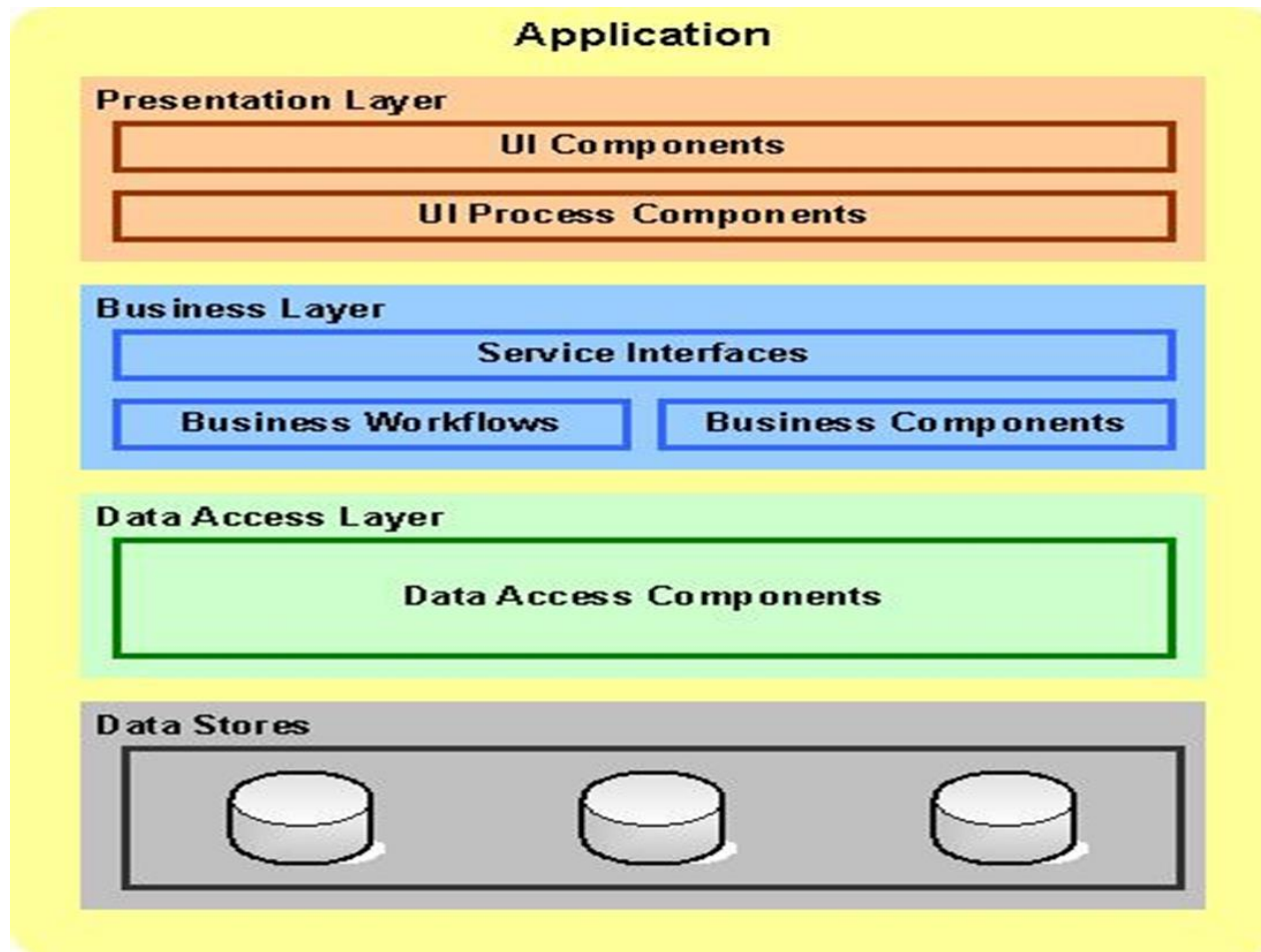
Project Description

- A console application.
- Read from File/Database.
- Print to screen / Write to file.

App Features

- Check vehicle Insurance status by plate number.
- Show list of vehicles about to expire till given date.
- Retrieve database sorted by plate number.
- Calculate total cost of expired vehicle(s) for given owner.

Typical Web App Structure



Our Project Structure

Presentation Layer

ConsoleMenu

Business Layer

BusinessLogic

- VehicleStatus
- ExpireList
- Sorting
- TotalDept

FileUtilities

- ExportData
- ImportData

Data Access Layer

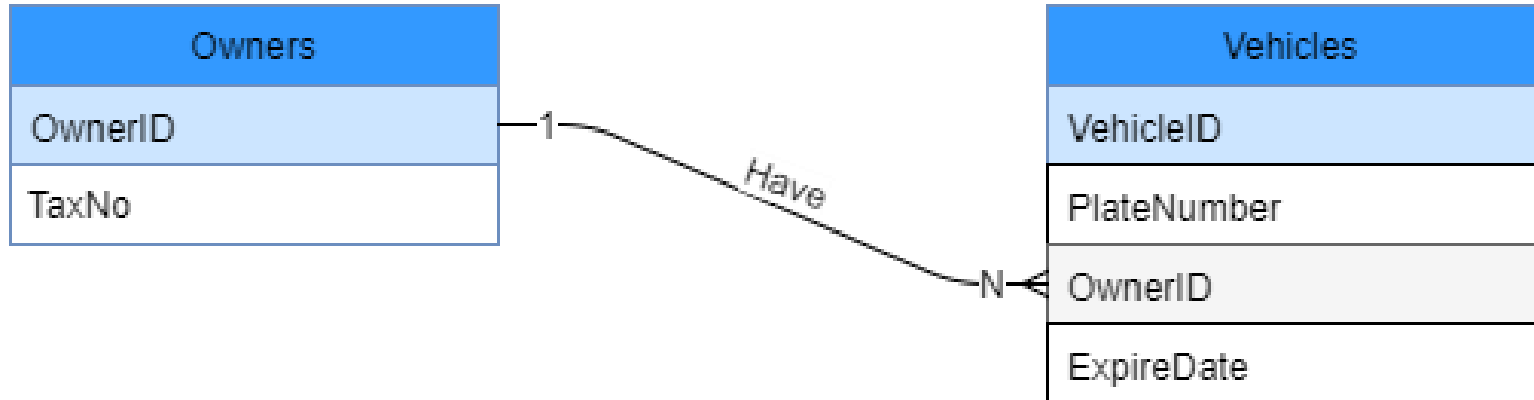
Model

- Owner
- Vehicle

Connection

- Connection
- DBRequests

Database Structure



Workload Distribution

Tasks in common

- Design Database
- Discuss App overall Functionality
- Finalize App Structure
- Test each others code

Individual Tasks

Ιωάννα



- Vehicle Insurance
- Total Debt
- Connection
- DBRequests

Ελένη



- User Validation
- File Utilities
- Data Output
- Expire List
- Models

Νίκος



- Sorting Functionality
- Console Menu
- Menu input option validation

Points worth your attention

- Strong Validation checks, ensuring proper user input/file and valid attribute values .
- Use of prepare statements in Database to prevent sql injections and enhance overall app performance.
- Minimal (according to current requirements) yet expandable DB Schema.

Points worth your attention

- Export in UTF8 Format
- Use of Regular Expressions for validation.
- Additional validation of the plate numbers of the vehicle with regular expressions
- Models Composition – Override - Overload
- Teamwork collaboration.

Live Demo

Thank You