CS 3810
Class Project

Option 1

Design, develop and implement a database to solve a real life problem. A brief list of possible project is:
1. Grade Book
2. Financial Management System
3. Catalog for a E-Commerce Web Site
4. Project Management System

Note that you just have to implement the backend database. You are not required to implement the front end user interface.

Deliverables and Due Date:

Due Date	Deliverables	Points
09/17/2018	Project Proposal / Name of Team Members	100
10/01/2018	Requirements Specifications / Business Rules	100
10/29/2018	Design Document	400
12/04/2018 and 12/06/2018	Implementation and Project Presentation	400

Project Proposal: It must include the following:

1. Project title
2. Project description – about one page long
3. List of team members

Option 2

Design and implement a **lite** version of database management system. The system must implement a SQL engine and a mechanism for persisting the data.

Deliverables and Due Date:

Due Date	Deliverables	Points
09/17/2018	Project Proposal / Name of Team Members	100
10/01/2018	Requirements Specifications	100
10/29/2018	Design Document	400
12/04/2018 and 12/06/2018	Project Presentation and Demo	400

Option 3

Write a research paper on one of the topic related to database management system. The paper should be 15 to 20 pages in length, double spaced text, not counting references. Limit diagrams to no more than 20% of the content. A brief list of possible topic is:

1. Object Oriented Database Management System
2. Big Data
3. NoSQL Database
4. Advantages and Disadvantages of Normalizing the Database

Deliverables and Due Date:

Due Date	Deliverables	Points
09/17/2018	Topic /Abstract / Name of Team Members	100
10/01/2018	Outline and List of References	100
10/29/2018	Research Paper (Draft)	400
12/04/2018 and 12/06/2018	Final Paper and Presentation	400

Paper Topic: It must include the following:

1. Title
2. Abstract – about one page long
3. List of team members