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|  | **CSCI/ISAT B320**  **Database Management Systems I**  **Fall 2025**  **Project Documentation**  **Team 12** |

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# Project Contributions by Team Member

**Purpose:**

Document the contributions of each team member over the course of the project.

**Members and their Contact Information**

|  |  |  |
| --- | --- | --- |
| **Member** | **Email** | **Text** |
| Keaton LaBorde | [klaborde@email.uscb.edu](mailto:klaborde@email.uscb.edu) | (719) 217-9560 |
| Zuri Fleurinord | [zurif@email.sc.edu](mailto:zurif@email.sc.edu) | 843-714-4160 |

**Overall**

Relative Contribution of each member over the course of the entire project

|  |  |  |
| --- | --- | --- |
| **Member** | **Contribution** | **Total Hours** |
| Keaton LaBorde | 60 % | 120 |
| Zuri Fleurinord | 40 % | 60 |

**Data Design (i.e., ERD Creation & Revisions)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Member** | **Contribution** | **Hours** | **Components** |
| Keaton LaBorde | 55 % | 20 | Attribute Identification, 1NF, 2NF, 3NF, ERD design, Document creation, additional data clarifications, continual ERD revisions. |
| Zuri Fleurinord | 45 % | 15 | Attribute Identification, 1NF, 2NF, 3NF, ERD design. |

**Create & Populate Script: Entity Creation (i.e., Table, View, Constraint, etc.)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Member** | **Contribution** | **Hours** | **Components** |
| Keaton LaBorde | 65 % | 40 | Creation and population of X, Y, and Z tables in Excel. Creation of S, and T tables. Revisions to A, and B tables. |
| Zuri Fleurinord | 35 % | 25 | Creation and population of C, D, and E tables in Excel. Revising script and adding insert statements for F and G tables. |

**Create & Populate Script: Entity Population (i.e., Table Inserts)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Member** | **Contribution** | **Hours** | **Components** |
| Keaton LaBorde | 65 % | 22 | Created Inserts and managed new inserts multiple times for A, B, C, and E Tables |
| Zuri Fleurinord | 35 % | 15 | Created Inserts for B, C, and D tables. |

**Query Script: Query Development**

Note: include here any Views created to support your queries

|  |  |  |  |
| --- | --- | --- | --- |
| **Member** | **Contribution** | **Hours** | **Components** |
| Keaton LaBorde | 75 % | 30 | Created Queries for B, D, F |
| Zuri Fleurinord | 25 % | 20 | Created Queries for C, E, G, F |

**Presentation Preparation**

|  |  |  |  |
| --- | --- | --- | --- |
| **Member** | **Contribution** | **Hours** | **Components** |
| Keaton LaBorde | 50 % | 1 | Creation of slides PowerPoint, Testing Laptop |
| Zuri Fleurinord | 50 % | 1 | Creation of slides PowerPoint, Testing Laptop |

**Project Documentation & Administration**

|  |  |  |  |
| --- | --- | --- | --- |
| **Member** | **Contribution** | **Hours** | **Components** |
| Keaton LaBorde | 50 % | 3 | X, Y, Z |
| Zuri Fleurinord | 50 % | 3 | 1, 2, 3 |

# Collaboration Tools Employed

Task Management

* Shortcut
* Trello

Version Control

* Microsoft Teams

# Naming Conventions

**What are the standard naming conventions for tables, fields, primary key constraints, foreign key constraints, views, stored procedures, etc.**

**Tables:** Is plural with no spaces and cases the first letter of each word is capital(Students, AcademicTerms, Employees)

**Fields:**

**Primary Key Constraints:** The TableID as the primary key (EX:StudentID int IDENTITY(1,1) NOT NULL PRIMARY KEY)

**Foreign Key Constraints**: ParentTable\_ReferencedTable (EX: FK\_CourseOfferings\_EmployeeID)

Views: CREATE VIEW vLoad**TableName**

# Design Assumptions and Data Clarifications

What assumptions and/or clarifications did you make when you created your design?   
-Each student in each major has the same classes and are grouped together based on their year

-Student never changes professor advisor after sophomore year

For example:

* **How does your design handle a student changing their name?**

Students has a FirstName and LastName column that would change its value but the StudentID stays the same

* **How does your design handle a professor who changes their name?**

The employees table has both a FirstName and LastName column that can change values but does have a

* **How does your design handle two professors co-teaching a course?**

Based off register data we assume there is only one professor per course

* **How does your design handle a course changing locations mid-semester? Or changing the professor who is assigned to teach it mid-semester?**

Each course has a LocationID so if you wanted to change the building and room number you would have to update the courseofferings locationid from the locations table to the desired location or if you want to add a brand new location you would have to add a new location in the location table and then update the locationid in the courseofferings table. Same thing for employees if you wanted to change the employeeid you would have to do so in courseofferings

**What assumptions and/or clarifications did you make with regard to the registrar-provided data? With regard to the mock-data you created?**

Each class has only one professor listed in our mock data.

Each student in each major has the same classes and are grouped together based on their year. ​

​

Students never change the professor advising them after sophomore year​

​

we assume that classes start on August 20th for StartDate and end December 6th for Fall courses. Spring courses are assumed to start January 13th and end April 28th​

Course Catalog is everything offered in 2024 and Course Offerings is classes offered between 2015 to 2024

**What specific issues arose when analyzing the registrar’s data, and how did you resolve them?**

When analyzing the CourseOfferings Table seeing what data was most important to the database, putting values in the ERD helped understand what was needed, filtering out specific coulmns was a challenge and normalizing the data was difficult but asking people and tutorials

# Bibliography

Citations for:

Tutorials:

Norlamizartion tutorial

Cases in SQL tutorial

SQL Joins Tutorial

Microsoft SQL Server documentation and/or articles

Stack Overflow questions/answers

# Acknowledgements

Specific peers who helped you debug

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Etc.

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