DATABASE MANAGEMENT SYSTEMS

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Elementary School Database



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# Team Members

* Paul Yun – Comp. Sci. Major
* Collin Woodruff – Comp. Sci. Major with a Software Engineering Track
* Colby Wellens- Comp. Sci. Major

# Introduction

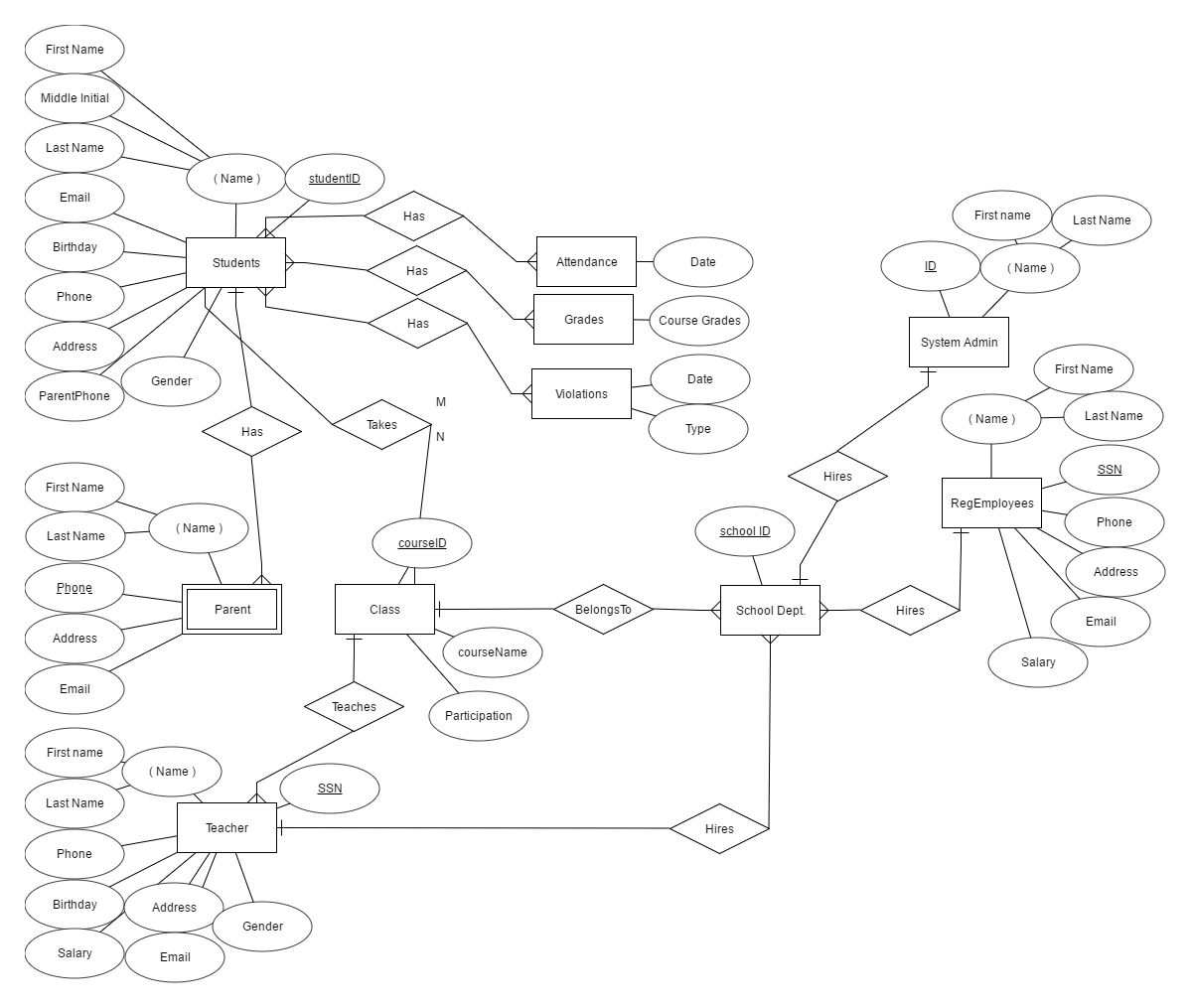
For our database project, we plan to create a database system that manages records for any school which requires information to be stored. We will keep data on the employees of the school as well as the students. Students, admins, teachers, and employees alike will be able to access this database. However, they will have certain restrictions on the data they can access depending on their position. Classes, grades, participation, violations, and attendance will be available for students, admins, and teachers.

The departments include Math, Science, Literature, English, Fine Arts, Social Sciences, Health & Physical Education, Computers & Technology, and Mass Communications. Teachers/ Students can only view information pertaining to the student (demographic information, and grades). Administrators will have access to ALL information regarding students, employees, and teachers. Information (ssn, salary, name, etc.) on the employees and teachers.

## Process Description

### User Requirements

# Entity Relationship Diagram

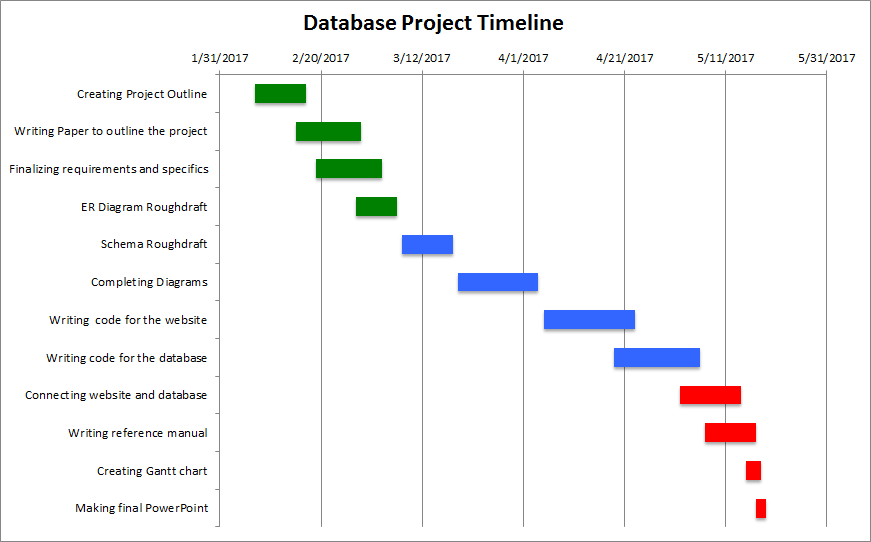


## Assumptions:

* Every student has a parent
* Every school dept. has at least one employee
* Every class has a teacher and at least one student

### Task List

|  |  |  |  |
| --- | --- | --- | --- |
| **Task Name** | **Start** | **Finish** | **Duration** |
| Creating Project Outline | 2/7/2017 | 2/17/2017 | 10 days |
| Writing Paper to outline the project | 2/15/2017 | 2/28/2017 | 13 days |
| Finalizing requirements and specifics | 2/19/2017 | 3/4/2017 | 13 days |
| ER Diagram Roughdraft | 2/27/2017 | 3/7/2017 | 8 days |
| Schema Roughdraft | 3/8/2017 | 3/18/2017 | 10 days |
| Completing Diagrams | 3/19/2017 | 4/4/2017 | 16 days |
| Writing code for the website | 4/5/2017 | 4/23/2017 | 18 days |
| Writing code for the database | 4/19/2017 | 5/6/2017 | 17 days |
| Connecting website and database | 5/2/2017 | 5/14/2017 | 12 days |
| Writing reference manual | 5/7/2017 | 5/17/2017 | 10 days |
| Creating Gantt chart | 5/15/2017 | 5/18/2017 | 3 days |
| Making final PowerPoint | 5/17/2017 | 5/19/2017 | 2 days |



# Conclusion:

We learned a lot from working on this project. We could implement a functional database into