Project Deliverables

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Overview

Deliverable	Milestone
Project Proposal	Milestone 1
Project Outline	Milestone 2
Database Population	Milestone 3
SQL Queries	Milestone 3
Mentor Meeting	Milestone 4
Final Report	Milestone 5
Application Code	Milestone 5
Video Demo	Milestone 5
Live Demo	NA

Intermediate
Deliverables

Final
Deliverables

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Project Proposal

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Project Proposal

Outline of initial idea
- List of team members
- Application idea
- Links to datasets
- Descriptions of datasets
- Dataset summary statistics
- List of questions to be answered by dataset

Project Outline

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Project Outline

Detailed roadmap
- Basic functionality
- Stretch functionality
- List of pages
- ER diagram
- SQL DDL
- Plans for pre-processing and entity resolution
- Technology stack
- Division of responsibility

Database Population

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Database Population

Populate your database
- Data pre-processing
- Entity resolution
- Database creation and cloud hosting
- Data ingestion

SQL Queries

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SQL Queries

Write queries for your application
- Approximately 10
- Align with planned application functionality
- Executable on DB
- Several complex

Mentor Meeting

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Mentor Meeting

Demo basic functionality
- Demonstrate progress on application
- Discuss challenges
- Seek guidance on issues
- Verify expectations

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Final Report

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Final Report

Write a polished report describing your work
- Application functionality
- Dataset descriptions
- Entity resolution and preprocessing
- Database design and normalization
- Query optimizations and justifications
- Pre/post optimization timings

Application Code

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Application Code

Finalize GitHub repository
- Application Code
- Data scraping code
- Pre-processing/entity resolution code
- Ingestion code
- List of dependencies
- Build instructions

Video Demo

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Video Demo

Record a short video demo of the application
- Show all pages and functionalities
- Describe queries associated with each feature
- Explain how optimizations improved performance

Live Demo

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Live Demo

Demo a live version of your application to your project mentor

- Verify features and pages from video
- Test unseen inputs
- Edge cases
- Justify choices and answer questions

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