

Course Project Overview - Downloadable/Printable

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CSE 511 Course Project and Milestones Overview

In this course, you are required to complete one (1) **group** project with several milestones, which provide hands-on experience applying the content, strategies and techniques covered in this course. You will find additional information on each project milestone in their respective submission page. This section provides a downloadable document containing the directions for each graded project milestone. If you have any questions or need clarification on directions, please post your questions in the discussion board for that particular assignment.

Please download and read through each document. Once you have acquainted yourself with the purpose, objectives, technology requirements, descriptions, directions, submission directions, and the due dates for each project, look at your calendar and create a learning plan where you will commit time each day to work on the projects in this course (required assignment and project files will be found within each week where the project is officially assigned). By making this commitment in your learning plan, you increase the chances for your success to complete the projects with accuracy, deepen your learning, and save time by being proactive and troubleshooting to overcome barriers. In turn, this will reduce your stress level and build your confidence.

Group Project Information

For the group project, you will work in a team of 5 - 6 students. You are **required** to fill out and submit the **Team Formation Survey** that appears after this page by **Thursday, May 20, 2021 at 11:59 PM MST**. (Note: Your answers to the Team Formation Survey will remain confidential.) Assignments will be made based on geographical proximity, with the goal of easing collaboration through team members being in the same or nearby time zones. For the milestones that allow a team submission, only **ONE** member from your team will need to submit the deliverables. Please make sure that all of project milestone submissions **contain each group member's name**.

The project will require that your team meet milestones by submitting deliverables throughout the course and will account for a total of 40% of your grade. Therefore, it will qualify for inclusion in your MCS Portfolio.

Project Milestones

Project Milestone 1: Summary of Group Discussion

Due at the end of *Week 2: Data Storage and Indexing* by **11:59 PM MST Sunday, May 30, 2021**. This project milestone will be graded based on completion. You can find additional details about this assignment in Week 1 of the course.

Project Milestone 2: Spatial Queries

Due at the end of *Week 3: Transactions and Recovery* by **11:59 PM MST Sunday, June 6, 2021**. There is a nongraded submission requirement for this milestone. You can find additional details about this assignment in Week 2 of the course.

Mid-Project Teammate Review

Due at the end of *Week 4: Principles of Distributed and Parallel Database Systems* by **11:59 PM MST Sunday, June 13, 2021**. This submission is ungraded. You can find additional details about this assignment in Week 4 of the course.

Project Milestone 3: Project Check-in

Due at the end of *Week 5: NoSQL Database Systems* by **11:59 PM MST Sunday, June 20, 2021**. This project milestone will be graded based on completion. You can find additional details about this assignment in Week 5 of the course.

Project Milestone 4: Spark SQL

 CSE511-Project-SparkSQL.pdf PDF File


Due at the end of *Week 6: Big Data Tools* by **11:59 PM MST Sunday, June 27, 2021**. This will include the submission of a systems documentation report and the project source code.

Project Milestone 5: Project Hotspot Analysis

 CSE511-Project-Hotspot-Analysis.pdf PDF File


Due at the end of *Week 7: Data Management in the Cloud* by **11:59 PM MST Sunday, July 4, 2021**.

Project Milestone 6: Individual Contribution Report

Due in *Week 8: Project Milestone 6 and Final Wrap-up* by **11:59 PM MST Friday, July 9, 2020**. You can find additional details about this assignment in Week 8 of the course.

Summary of Milestones and Due Dates

Does not include other course assignments

Week	Milestone	Deliverable(s)	Type of Submission	Due Date
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Week	Milestone	Deliverable(s)	Type of Submission	Due Date
1	N/A	N/A	N/A	N/A
2	1	Summary of Group Discussion	Team	5/30 11:59 PM MST, Sunday
3	2	Spatial Queries	Individual	6/6 11:59 PM MST, Sunday
4	N/A	Individual and Peer Contribution Report	Individual	6/13 11:59 PM MST, Sunday
5	3	Project Check-In	Team	6/20 11:59 PM MST, Sunday
6	4	Programming Assignment: Spark SQL	Individual	6/27 11:59 PM MST, Sunday
6	4	Source Code	Team	6/27 11:59 PM MST, Sunday
7	5	Programming Assignment: Hot Spot Analysis	Individual	7/4 11:59 PM MST, Sunday
7	5	Source Code	Team	7/4 11:59 PM MST, Sunday
7	5	Systems Documentation Report	Team	7/4 11:59 PM MST, Sunday
8	6	Individual Contribution Report	Individual	7/9 11:59 PM MST, Friday
8	(OPTIONAL)	* MCS Portfolio Inclusion Report (OPTIONAL)	Individual	7/24 11:59 PM MST, Saturday

Complete