

CS 312 - Project Phase – 1 Report

Group Details:

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Project Title: Online Job Portal

Phase-1 Components:

- Job Listings
- Job Search
- SQL Database to accept job listings
- Database for job type, industry, experience level
- Advanced search functionality
- Job type, industry, experience filters
- Homepage styling and decorations
- Autocomplete search bar
- Experience slider

Task Status:

Task No	Task Details	Assigned To	Status
1	Create SQL Database	Zach	Completed
2	Create job type/industry DB	Dakota	Completed
3	Advanced search base	Both	Completed
4	Job type filter	Zach	Completed
5	General filtering options	Dakota	Completed
6	Refine advanced search	Zach	Completed
7	Industry filter	Dakota	Completed
8	Keyword narrowing	Zach	Completed
9	Homepage decoration	Both	Completed
10	Experience filter	Dakota	Completed
11	Autocomplete search bar	Zach	Completed
12	Experience slider	Dakota	Completed
13	Job buttons styling	Zach	Completed

Challenges and Solutions:

Challenge: Structuring relational tables

Solution: Created normalized tables with foreign keys

Challenge: Autocomplete accuracy

Solution: Added partial matching + debounce

Challenge: Filter state sync issues

Solution: Rebuilt React state logic with useEffect dependencies

Challenge: Inconsistent card styling

Solution: Created reusable components and grid layout