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| ***Project Summary*** | Using a datasets from bls.gov containing occupation statistics from 2014 to 2016. Our database application will provide statistics on different occupations, comparing them together, or year over year to help people decide on an occupation that could meet their needs. |
| ***Project Description*** | * **Description of an application of your choice.** It’s hard to decide on an occupation. By providing statistics and allowing easy comparison of occupations, we want to help people in deciding their future job. * **Usefulness.** There are similar websites out there but they don’t provide year over year statistics for how an industry might be progressing. It’s hard to find visualizations, let alone ones that easy portray the information. Our web application will tackle all these issue with existing websites. * **Dataset.** We will be using the dataset present [here](https://www.bls.gov/oes/#databases). This government website provides yearly statistics for different occupations which will be combine to create visualization for industry growth and so on. * **Description of the functionality that you plan to offer.** This web application will provide a way for people to search for their future occupation.   + **Basic Functions**:     - User can add their occupation information     - User can update their occupation information     - User can delete their occupation information     - User can search different occupation information   + **Advanced Functions:**     - Visualization of data to show occupation job profiles     - Visualization of data to compare different job profiles * Advanced Techniques.   + Indexing   + Transaction   + Partitioning\Sharding   + Stored procedure   + Prepared Statements   + Compound Statements   + Constraint   + View |
| ***ER Design*** | * Have the ER diagram for your application, plus descriptions in plain words on the assumptions you make. For example, "we think that there must be only 1 adviser for each student". |