

**California State University San Bernardino
School of Computer Science & Engineering
Masters Project Presentation**

Date/Time

September 7th, 2021 (Tuesday)/01:00PM

Location

<https://csusb.zoom.us/j/84226955978>

Meeting ID: 842 2695 5978

Topic

College of Education Legacy File-maker Extraction and End-User Database Development

Candidate

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Committee Members

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Abstract

The College of Education (CoE) at the California State University of San Bernardino (CSUSB) developed a system to keep track of both state and national accreditation requirements using Filemaker 5, a database system. This accreditation data is crucial for reporting to and record-keeping for the Chancellor's Office as well as the State of California. However, the database system was developed several decades ago and software support has long since been dropped, causing the CoE's legacy accreditation data to be at risk of being lost should the database die. The purpose of this project is to perform extraction of the raw data in this legacy system, develop a new database to clean and house this raw data, as well as develop a newer and more efficient end-user interface for the CoE. Raw data analysis, consultation, and extraction will be performed first and will be followed by database design and development using Oracle SQL and PL/SQL. At the same time, the end-user interface and reporting tool will be developed using Oracle Peoplesoft. This project aims primarily to extract critical data from the dying legacy database while providing the CoE with a more efficient means to access the data for their reporting needs.