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CSC 170

SRS document

Department Professor Schedule cards

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Introduction

## Purpose

## Document conventions

* + 1. **Print Format**

|  |
| --- |
| Department  Semester  Teacher name  Office Room/Hours  **Course**  **Section** **Days** **Time** **Room** |

1. C**oncatenated cards**

|  |
| --- |
| Concatenated cards  Follow this format  Delaminated by  A line |

1. **User GUI view teacher look up**

|  |
| --- |
| 1.  Teacher name (selectable reference brings user to above table view) Department 2.  3. (**Check marks send teachers to a print table)** 4. **(Re-searches remember checks and puts tuples into currently**   **Send Table**   1. **Selected)** |

## Project scope

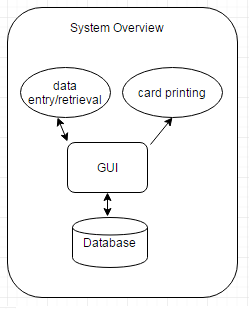
* + 1. A database to hold the faculty information card.
       1. The information card will have the faculty member which teaches specific courses, there will be different sections of one course that will be held on specific days, times and rooms.
       2. It will also include the office room number to the professor, the phone number and also the office hours of date and time.
       3. The cards can be printed in one operation and also individually.
    2. UI of the database that will allow for information to be withdrawn from it using queries. This will allow for easy updating from database to a readable document.
    3. The database will be monitored and maintained regularly.
    4. With this new system, the office administrator will not have to generate new cards each semester because the system will gather information from previous semesters.
    5. Also, the office administrator will have sole access to changing faculty members while the clerk will only be able to faculty office hours.

## References

# Overall description

## Product perspective

This product originated from the need to encapsulate faculty schedules into easily accessible physical cards that can be used by faculty members and students alike. This will be one standalone system that can be accessed by an administrator and a clerk only. It will consist of a database to hold the faculty information, a GUI that can allow entry and retrieval of various faculty members and classes, a once a semester printing operation that will consecutively print all faculty member cards, along with an option for printing individual faculty member cards on request.

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## User classes and characteristics

## Operating environment

User Interface and Platforms

* Windows
  + Executable Application for managing back end database directly (manager option)
* Android
  + Android app for managing database directly (manager option)
  + Visual side app for viewing and printing cards
* Apple Products
  + Iphone/IOS application for managing database directly (manager option)
  + Visual side app for viewing and printing cards
* Web Application (HTML)
  + Main user side for PC visual for viewing and printing cards
* Apache tomcat
  + Used for hosting webapp for PC

Location

* SQL data base will be located on CSUS campus servers hosted in Riverside hall.
* Users can be mobile but must have a secure VPN account to connect
* Tomcat server will be located on titan and run constantly (may require java update)
* (Second to above tomcat server is run off campus and uses database on campus)

System Structure breakdown

SQL DATABASE(API)

Web page

Restfull interface/API

Windows/IOS(API)

Android(RI)

Iphone(RI)

Apache Tomcat >7

## Design and implementation constraints

## Assumptions and dependencies

# System features

## System feature x

## Description

## Functional requirements

# Data Requirements

## Logical data model

## Data dictionary

## Reports

## Data acquisition, integrity , retention, and disposal

# External interface requirements

## User interfaces

## Software interfaces

## Hardware interfaces

## Communications interfaces

# Quality attributes

## Usability

## Performance

## Security

## Safety

## [others]

# Internationalization and localization requirements

## Other requirements

# Appendix A: Glossary

# Appendix B: analysis Models