Deliverables

Phase I – IV

Group A

CSC350

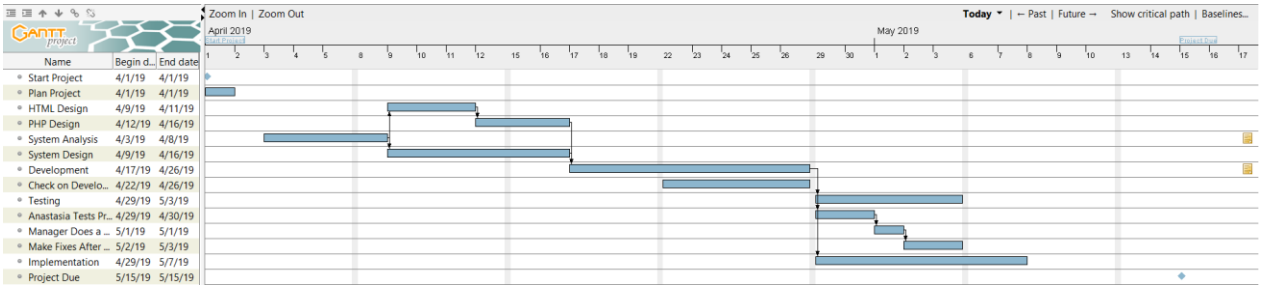
Professor Kok

Project Description

The program that our group created allows a user to schedule courses for the CIS department associated with BMCC. The goal of the program is to efficiently schedule a given number of courses to available rooms without any conflict of time and days. The program consists of an HTML web page for the user to interact with and submit their courses. The HTML is then associated with a PHP code that contains functions and special cases to be able to schedule the course depending on the room given. The PHP connects to the local database where two separate databases are used for storage – courses and rooms. The course database holds information such as the course title and determined section number. The rooms database then offers a list of individual tables with the room names. These tables are created when the user schedules a course for the first time. With this method the program can affectively store and print out the results for the user.

The output of the program prints out all the scheduled courses for all the rooms selected in the database. It is ordered by the course section number, which is in relation to the initial time the course starts. If there is another course with a similar section scheduled later, the section will increment by one so that there are no same section numbers for a given course. Followed by the section number are the days the course meets, the start and end time and the room number. The second output shows a weekly grid visual of the classes booked in a specific room. All seven days of the week are displayed with the courses below they are scheduled for.

GANTT Chart Overview



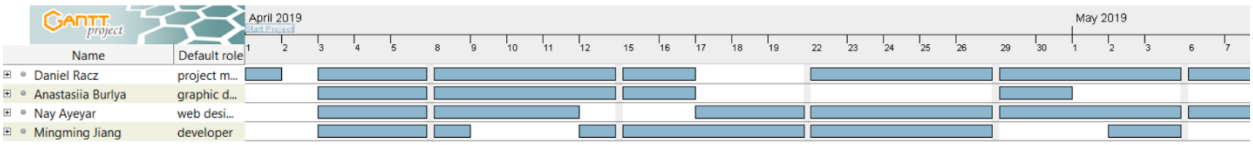
Tasks

Name	Begin date	End date	Resources
Start Project	4/1/19	4/1/19	
Plan Project	4/1/19	4/1/19	Daniel Racz
HTML Design	4/9/19	4/11/19	Nay Ayeyar
PHP Design	4/12/19	4/16/19	Mingming Jiang
System Analysis Use Wednesday Meeting to go over answers from interview questions to analyze what we're working with	4/3/19	4/8/19	Daniel Racz, Anastasiia Burlya, Nay Ayeyar , Mingming Jiang
System Design	4/9/19	4/16/19	Daniel Racz, Anastasiia Burlya
Development Coding for HTML and PHP Development	4/17/19	4/26/19	Nay Ayeyar , Mingming Jiang
Check on Development For HTML/PHP	4/22/19	4/26/19	Daniel Racz
Testing	4/29/19	5/3/19	
Anastasia Tests Program	4/29/19	4/30/19	Anastasiia Burlya
Manager Does a Test	5/1/19	5/1/19	
Make Fixes After Testing	5/2/19	5/3/19	Mingming Jiang
Implementation	4/29/19	5/7/19	Daniel Racz, Nay Ayeyar
Project Due	5/15/19	5/15/19	

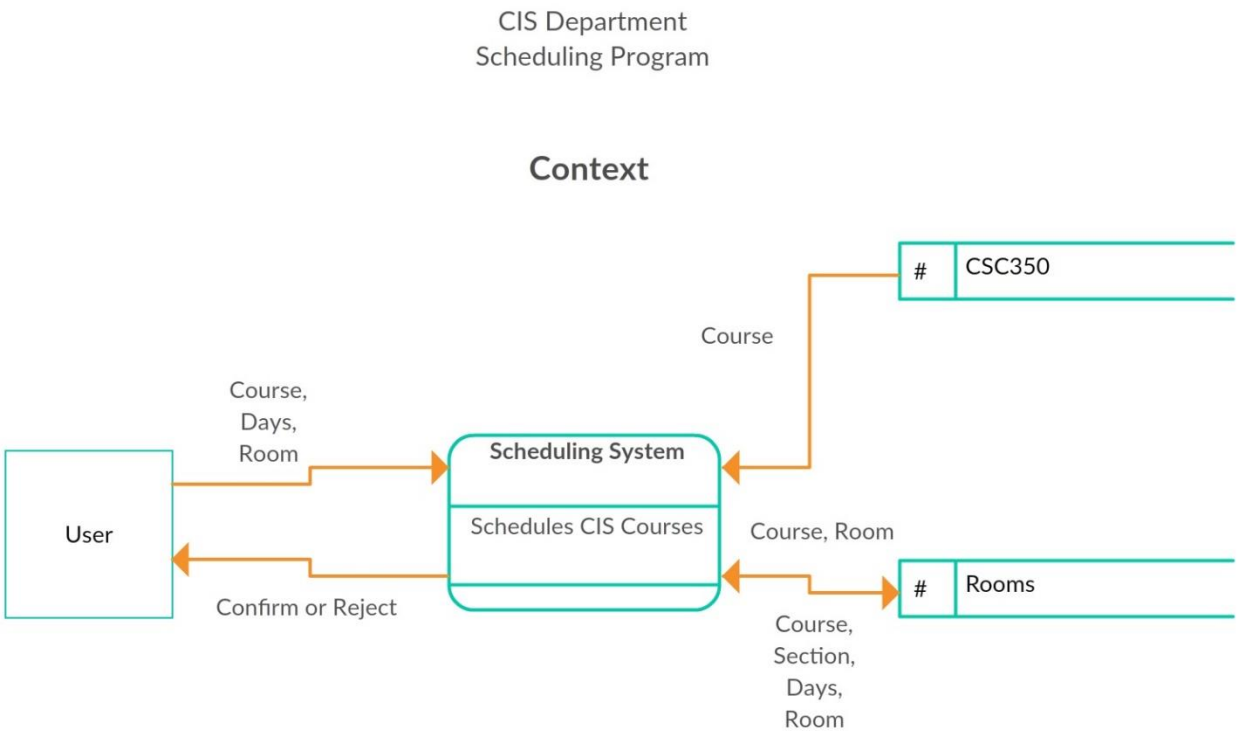
Team Member Roles

Name	Default role
Daniel Racz	project manager
Anastasiia Burlya	graphic designer
Nay Ayeyar	web designer
Mingming Jiang	developer

Assigned Tasks Visual



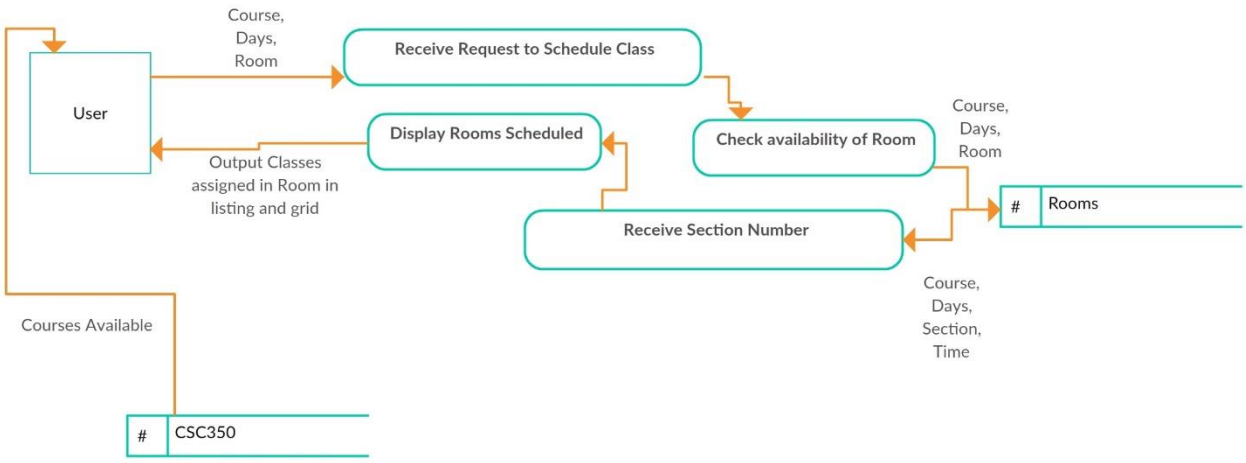
Data Flow Diagram



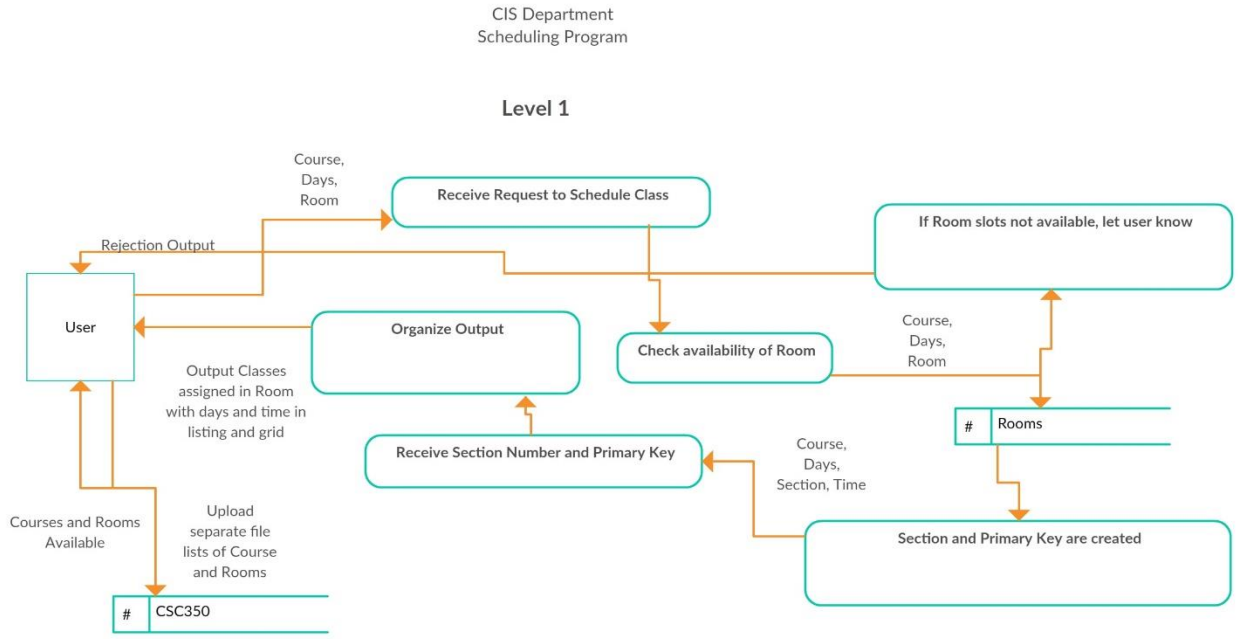
Data Flow Diagram

CIS Department Scheduling Program

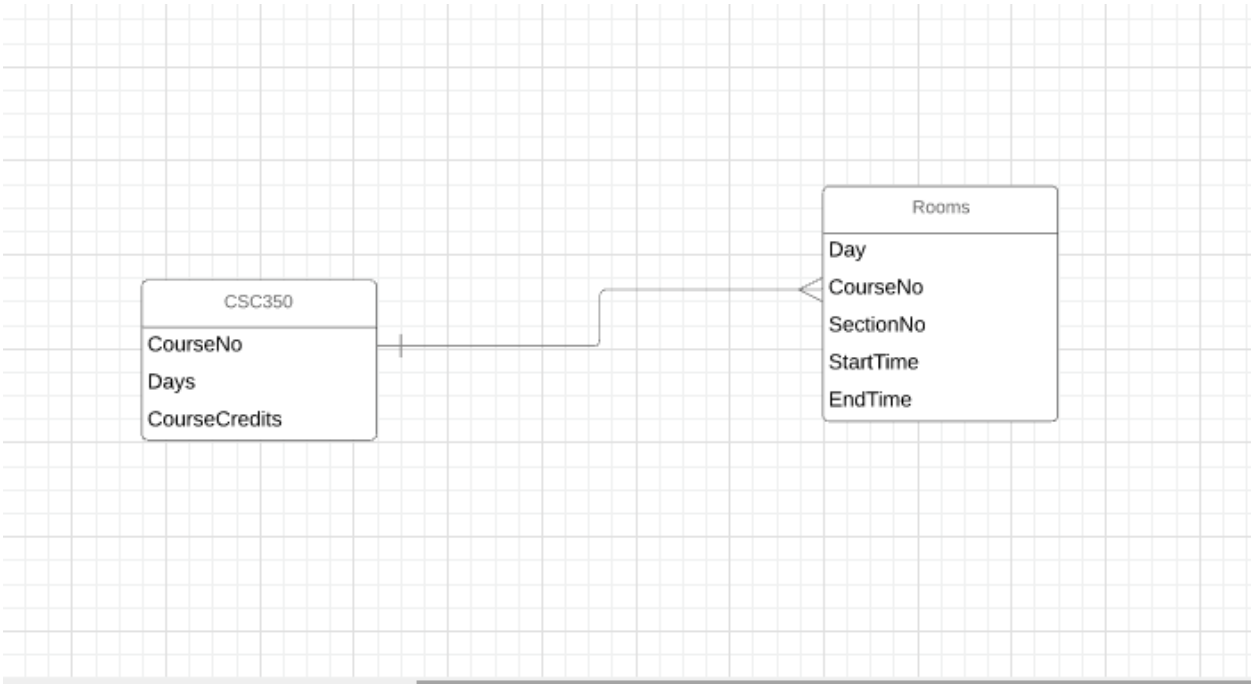
Level 0



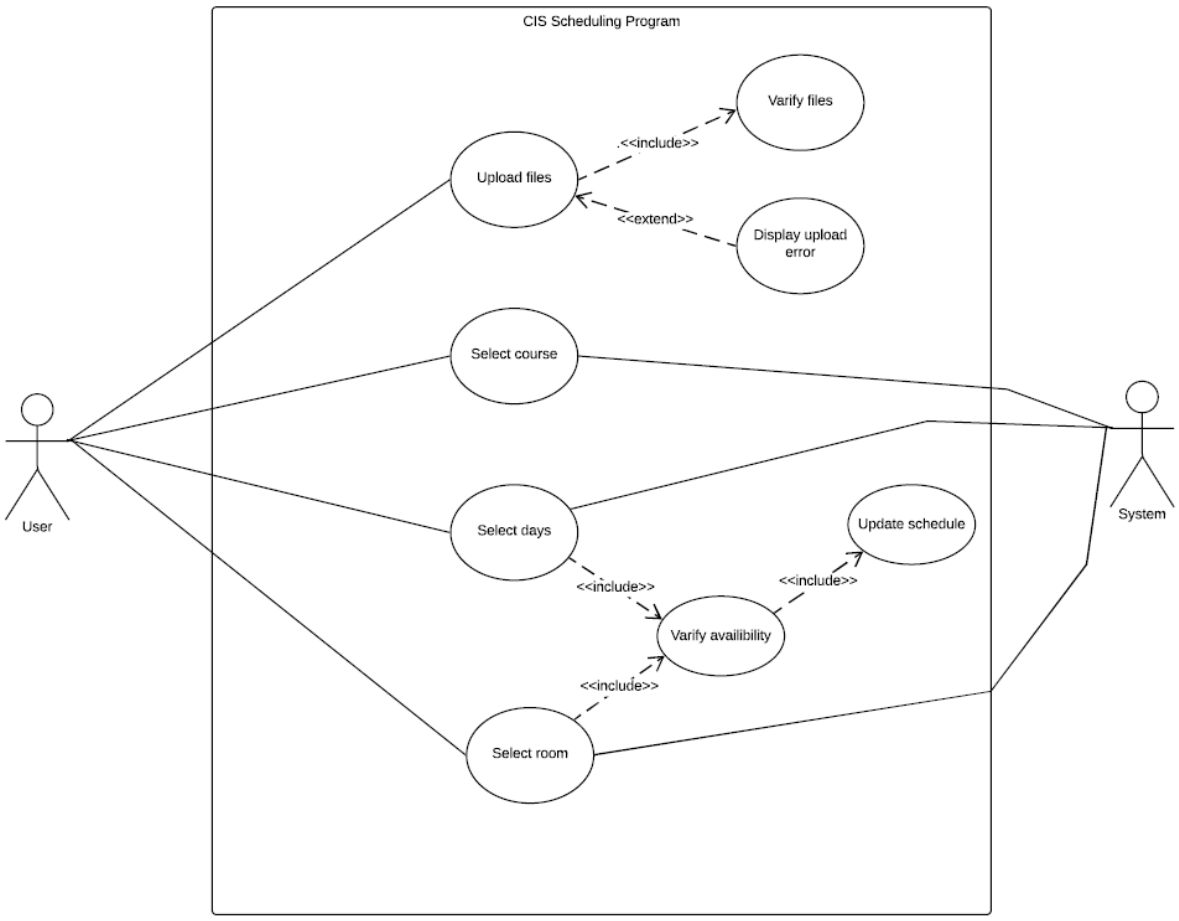
Data Flow Diagram



ERD Diagram


Rooms
Day
CourseNo
SectionNo
StartTime
EndTime
CSC350
CourseNo
Days
CourseCredits

Use Case Diagram



Database Dictionary

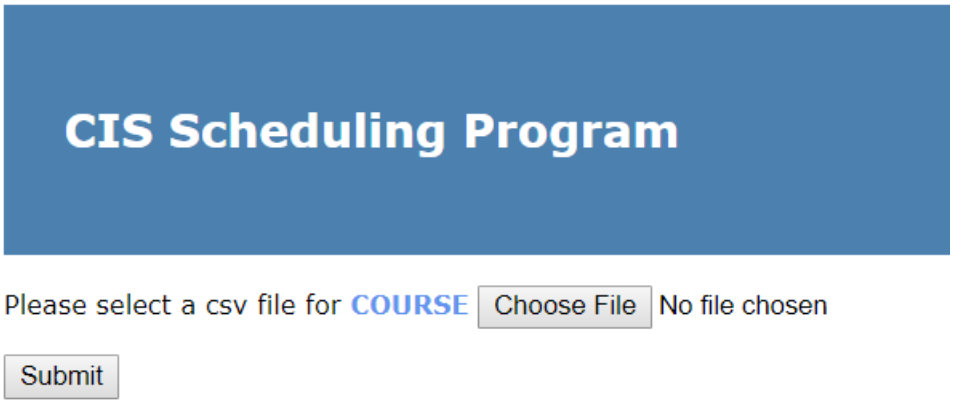
Course Database

Column	Data Type	Description
CourseNo	Char(6)	Course Acronym associated with number based on class hierarchy
Title	Varchar(30)	Title of Course
Credits	Int(11)	Number credits offered for course

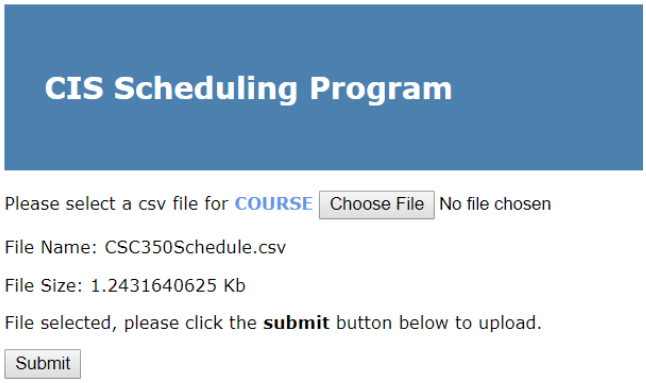
Room Database

Column	Data Type	Description
day	char(3)	Day of the week class takes place
course	Char(6)	Course Acronym associated with number based on class hierarchy
startTime	varchar(10)	Time class begins
endTime	varchar(10)	Time class ends
section	char(4)	Number assigned to class to differentiate from other courses. This is based on the start time.
Primary_key	varchar(15)	Primary Key. A combination of the course number and section number.

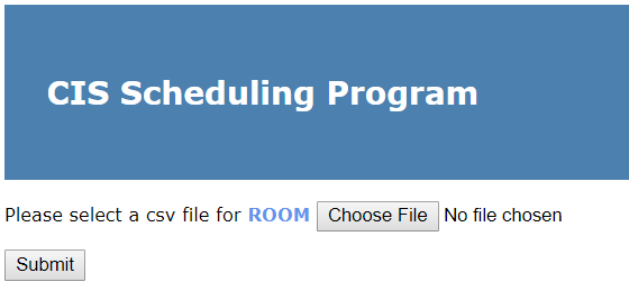
User Interface



User selects schedule file containing list of course and amount of days. Program will read the courses and store into the database.



Once file is selected, size confirmation of file being uploaded and size is displayed, user can submit the file.



Program then reads database for rooms available. If not available, will ask user to import file of list of rooms to transfer to database.

CIS Scheduling Program

Please select a csv file for **ROOM** Choose File No file chosen

File Name: CSC350Room.csv

File Size: 0.0693359375 Kb

File selected, please click the **submit** button below to upload.

Submit

Confirms file type and file size, then instructs user to submit.