COURSE REGISTRATION SYSTEM

NAME OF THE WEBSITE: COURSE REGISTRATION

Description of the Website:

I have designed the website which is a course registration like our university UTD has.

The page starts from **Welcome.html.** This is the home page.

My website gives various features:

- User can register themselves to register for the courses.
- After logging in ,user can see the courses available.
- User can search and filter the courses. Search option is available to search for the courses and user can also select from the dropdown based on various filters like school, department, courses etc.
- Users can also see the history of the courses they have registered for.
- My website also provides admin access and admin can be created.
- Admin can perform various operations like he can create a user , register for the courses ,can see history of the courses and can also update the tables which are required for various operations.
- There are some validation restrictions which need to be considered while user register or login.
- User can also add/drop the courses according to their choice.
- The details for admin page-Username-prakshita123 and Password-Praks@1234.

Assumptions

- User cannot register for the course already he has been enrolled in.
- User can register for the courses currently available.
- One Course can be taught by multiple professors in the same semester.

DATABASE FOR THE WEBSITE:

```
CREATE DATABASE IF NOT EXISTS `course_register` DEFAULT CHARACTER SET latin1
COLLATE latin1_swedish_ci;
USE `course_register`;
```

```
DROP TABLE IF EXISTS `data_cart`;
CREATE TABLE IF NOT EXISTS `data_cart` (
  `Student_ID` varchar(11) NOT NULL,
  `SecId` varchar(11) NOT NULL,
  `Deleted` char(1) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


DROP TABLE IF EXISTS `coll_data1`;
CREATE TABLE IF NOT EXISTS `coll_data1` (
  `Coll_name` varchar(20) NOT NULL,
  `Coll_Off` varchar(20) NOT NULL,
  `DID` varchar(20) DEFAULT NULL,
  `Deleted` char(1) NOT NULL DEFAULT 'N'
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


DROP TABLE IF EXISTS `coll_pno1`;
CREATE TABLE IF NOT EXISTS `coll_pno1` (
  `Coll_name` varchar(20) NOT NULL DEFAULT '',
  `C_PNO` varchar(20) NOT NULL DEFAULT '',
  `Deleted` char(1) NOT NULL DEFAULT 'N'
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


DROP TABLE IF EXISTS `subject1`;
CREATE TABLE IF NOT EXISTS `subject1` (
  `subject_ID` int(5) NOT NULL DEFAULT '0',
  `subject_name` varchar(20) DEFAULT NULL,
  `subject_credit` int(2) NOT NULL,
  `Level` varchar(20) NOT NULL,
  `subject_Info` varchar(30) NOT NULL,
  `subject_De_Info` int(5) DEFAULT NULL,
  `Deleted` char(1) NOT NULL DEFAULT 'N'
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


DROP TABLE IF EXISTS `dept1`;
CREATE TABLE IF NOT EXISTS `dept1` (
  `dept_code` int(5) NOT NULL DEFAULT '0',
  `dept_name` varchar(20) DEFAULT NULL,
  `dept_Off` varchar(20) NOT NULL,
```

```
  `dept_C_ID` varchar(20) DEFAULT NULL,
  `Coll_name` varchar(20) DEFAULT NULL,
  `Deleted` char(1) NOT NULL DEFAULT 'N'
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


DROP TABLE IF EXISTS `d_pno1`;
CREATE TABLE IF NOT EXISTS `d_pno1` (
  `dept_code` int(5) NOT NULL DEFAULT '0',
  `dept_phone` varchar(20) NOT NULL DEFAULT '',
  `Deleted` char(1) NOT NULL DEFAULT 'N'
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


DROP TABLE IF EXISTS `instr_pno1`;
CREATE TABLE IF NOT EXISTS `instr_pno1` (
  `instr_ID` varchar(20) NOT NULL DEFAULT '',
  `instr_phone` varchar(20) NOT NULL DEFAULT '',
  `Deleted` char(1) NOT NULL DEFAULT 'N'
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


DROP TABLE IF EXISTS `instr1`;
CREATE TABLE IF NOT EXISTS `instr1` (
  `instr_ID` varchar(20) NOT NULL DEFAULT '',
  `level` varchar(20) NOT NULL,
  `instr_name` varchar(20) DEFAULT NULL,
  `instr_off` varchar(20) NOT NULL,
  `dept_code` int(5) DEFAULT NULL,
  `Deleted` char(1) DEFAULT 'N'
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


DROP TABLE IF EXISTS `login1`;
CREATE TABLE IF NOT EXISTS `login1` (
  `username` varchar(100) NOT NULL,
  `email` varchar(100) NOT NULL,
  `type_u` varchar(100) NOT NULL,
  `password` varchar(100) NOT NULL,
  `Student_ID` varchar(20) DEFAULT NULL,
  `imagename` varchar(100) DEFAULT 'user_profile.png',
  `Deleted` char(1) NOT NULL DEFAULT 'N'
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
DROP TABLE IF EXISTS `sec1`;
CREATE TABLE IF NOT EXISTS `sec1` (
  `SecId` varchar(20) NOT NULL DEFAULT '',
  `sec_no` varchar(3) DEFAULT NULL,
  `Sem` int(2) NOT NULL,
  `ONC` char(1) DEFAULT 'N',
  `Year` year(4) NOT NULL,
  `RoomNo` varchar(10) NOT NULL,
  `Building` varchar(20) NOT NULL,
  `TD` varchar(20) NOT NULL,
  `IID` varchar(20) DEFAULT NULL,
  `subject_ID` int(5) DEFAULT NULL,
  `SectionLimit` int(3) DEFAULT NULL,
  `volume` int(3) NOT NULL,
  `Deleted` char(1) NOT NULL DEFAULT 'N'
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


DROP TABLE IF EXISTS `student1`;
CREATE TABLE IF NOT EXISTS `student1` (
  `Student_ID` varchar(20) NOT NULL DEFAULT '',
  `DOB` date NOT NULL,
  `Student_fname` varchar(20) DEFAULT NULL,
  `Student_mname` varchar(20) NOT NULL,
  `Student_lname` varchar(20) DEFAULT NULL,
  `Address` varchar(30) NOT NULL,
  `Major` varchar(20) DEFAULT NULL,
  `dept_code` int(5) DEFAULT NULL,
  `Deleted` char(1) NOT NULL DEFAULT 'N'
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


DROP TABLE IF EXISTS `stu_pno1`;
CREATE TABLE IF NOT EXISTS `stu_pno1` (
  `Student_ID` varchar(20) NOT NULL DEFAULT '',
  `student_phone` varchar(20) NOT NULL DEFAULT '',
  `Deleted` char(1) NOT NULL DEFAULT 'N'
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


DROP TABLE IF EXISTS `lend1`;
CREATE TABLE IF NOT EXISTS `lend1` (
```

```
  `Student_ID` varchar(20) NOT NULL DEFAULT '',
  `secti_ID` varchar(20) NOT NULL DEFAULT '',
  `Grade` varchar(2) DEFAULT NULL,
  `Deleted` char(1) NOT NULL DEFAULT 'N'
) ENGINE=InnoDB DEFAULT CHARSET=latin1;



ALTER TABLE `data_cart`
  ADD PRIMARY KEY (`Student_ID`,`SecId`),
  ADD KEY `SID_FK` (`Student_ID`),
  ADD KEY `SecId_FK` (`SecId`);

ALTER TABLE `coll_data1`
  ADD PRIMARY KEY (`Coll_name`),
  ADD KEY `DID` (`DID`);

ALTER TABLE `coll_pno1`
  ADD PRIMARY KEY (`Coll_name`,`C_PNO`);

ALTER TABLE `subject1`
  ADD PRIMARY KEY (`subject_ID`),
  ADD KEY `subject_De_Info` (`subject_De_Info`);

ALTER TABLE `dept1`
  ADD PRIMARY KEY (`dept_code`),
  ADD UNIQUE KEY `dept_name` (`dept_name`),
  ADD KEY `dept_C_ID` (`dept_C_ID`,`Coll_name`),
  ADD KEY `FK_CName` (`Coll_name`);

ALTER TABLE `d_pno1`
  ADD PRIMARY KEY (`dept_code`,`dept_phone`);

ALTER TABLE `instr_pno1`
  ADD PRIMARY KEY (`instr_ID`,`instr_phone`);

ALTER TABLE `instr1`
  ADD PRIMARY KEY (`instr_ID`),
  ADD KEY `dept_code` (`dept_code`);

ALTER TABLE `login1`
  ADD PRIMARY KEY (`username`),
  ADD UNIQUE KEY `email` (`email`),
  ADD KEY `FK_SID_login` (`Student_ID`);

ALTER TABLE `sec1`
```

```
  ADD PRIMARY KEY (`SecId`),
  ADD KEY `IID` (`IID`,`subject_ID`),
  ADD KEY `FK_CoCode` (`subject_ID`);

ALTER TABLE `student1`
  ADD PRIMARY KEY (`Student_ID`),
  ADD KEY `dept_code` (`dept_code`);

ALTER TABLE `stu_pno1`
  ADD PRIMARY KEY (`Student_ID`,`student_phone`);

ALTER TABLE `lend1`
  ADD PRIMARY KEY (`Student_ID`,`secti_ID`),
  ADD KEY `FK_SecID` (`secti_ID`);


ALTER TABLE `data_cart`
  ADD CONSTRAINT `SID_FK` FOREIGN KEY (`Student_ID`) REFERENCES `student1`
(`Student_ID`) ON UPDATE CASCADE,
  ADD CONSTRAINT `SecId_FK` FOREIGN KEY (`SecId`) REFERENCES `sec1` (`SecId`) ON
UPDATE CASCADE;

ALTER TABLE `coll_data1`
  ADD CONSTRAINT `FK_DeanID` FOREIGN KEY (`DID`) REFERENCES `instr1` (`instr_ID`) ON
UPDATE CASCADE;

ALTER TABLE `coll_pno1`
  ADD CONSTRAINT `FK_CollegePhone` FOREIGN KEY (`Coll_name`) REFERENCES
`coll_data1` (`Coll_name`) ON UPDATE CASCADE;


ALTER TABLE `subject1`
  ADD CONSTRAINT `FK_CoDeptCode` FOREIGN KEY (`subject_De_Info`) REFERENCES
`dept1` (`dept_code`) ON DELETE SET NULL ON UPDATE CASCADE;


ALTER TABLE `dept1`
  ADD CONSTRAINT `FK_CName` FOREIGN KEY (`Coll_name`) REFERENCES `coll_data1`
(`Coll_name`) ON UPDATE CASCADE,
  ADD CONSTRAINT `FK_DeptChairID` FOREIGN KEY (`dept_C_ID`) REFERENCES `instr1`
(`instr_ID`) ON UPDATE CASCADE;

ALTER TABLE `d_pno1`
  ADD CONSTRAINT `FK_DeptPhone` FOREIGN KEY (`dept_code`) REFERENCES `dept1`
(`dept_code`) ON UPDATE CASCADE;


ALTER TABLE `instr_pno1`
```

```
  ADD CONSTRAINT `FK_InstrPhone` FOREIGN KEY (`instr_ID`) REFERENCES `instr1`
(`instr_ID`) ON UPDATE CASCADE;

ALTER TABLE `instr1`
  ADD CONSTRAINT `FK_IDCode` FOREIGN KEY (`dept_code`) REFERENCES `dept1`
(`dept_code`) ON UPDATE CASCADE;


ALTER TABLE `login1`
  ADD CONSTRAINT `FK_SID_login` FOREIGN KEY (`Student_ID`) REFERENCES `student1`
(`Student_ID`) ON UPDATE CASCADE;


ALTER TABLE `sec1`
  ADD CONSTRAINT `FK_CoCode` FOREIGN KEY (`subject_ID`) REFERENCES `subject1`
(`subject_ID`) ON UPDATE CASCADE,
  ADD CONSTRAINT `FK_InstrID` FOREIGN KEY (`IID`) REFERENCES `instr1` (`instr_ID`) ON
DELETE SET NULL ON UPDATE CASCADE;


ALTER TABLE `student1`
  ADD CONSTRAINT `FK_DeptCode` FOREIGN KEY (`dept_code`) REFERENCES `dept1`
(`dept_code`) ON DELETE SET NULL ON UPDATE CASCADE;


ALTER TABLE `stu_pno1`
  ADD CONSTRAINT `FK_StudentPhone` FOREIGN KEY (`Student_ID`) REFERENCES
`student1` (`Student_ID`) ON UPDATE CASCADE;


ALTER TABLE `lend1`
  ADD CONSTRAINT `FK_SID` FOREIGN KEY (`Student_ID`) REFERENCES `student1`
(`Student_ID`) ON UPDATE CASCADE,
  ADD CONSTRAINT `FK_SecID` FOREIGN KEY (`secti_ID`) REFERENCES `sec1` (`SecId`) ON
UPDATE CASCADE;
```

Languages/Frameworks Used:

Frontend

- Language: HTML5, CSS3, JQUERY, Javascript

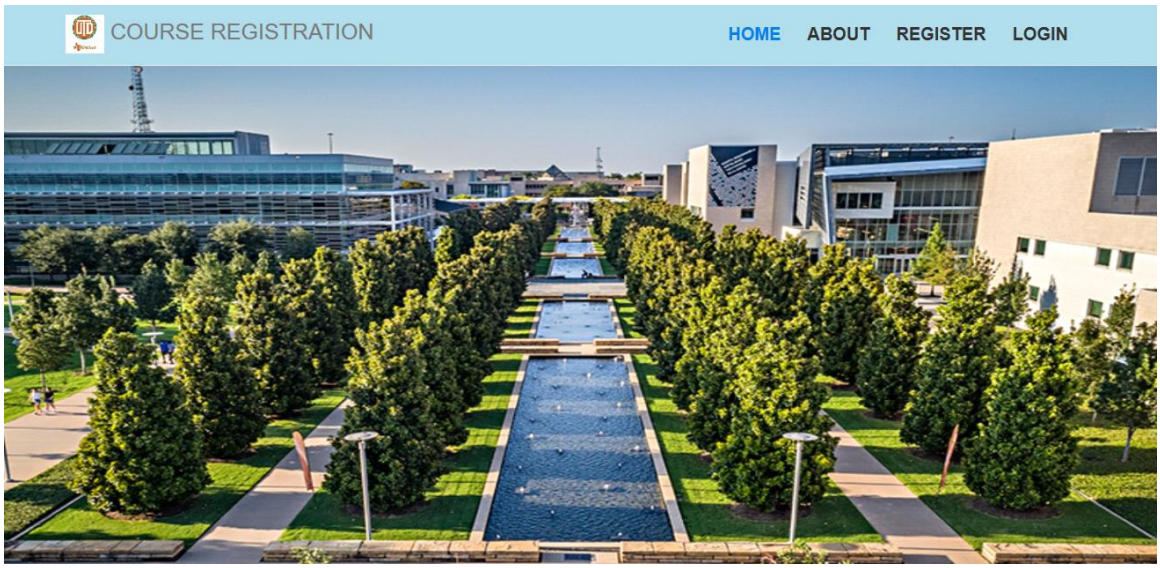
- Framework: Bootstrap
- Editor: Sublime Text

Backend

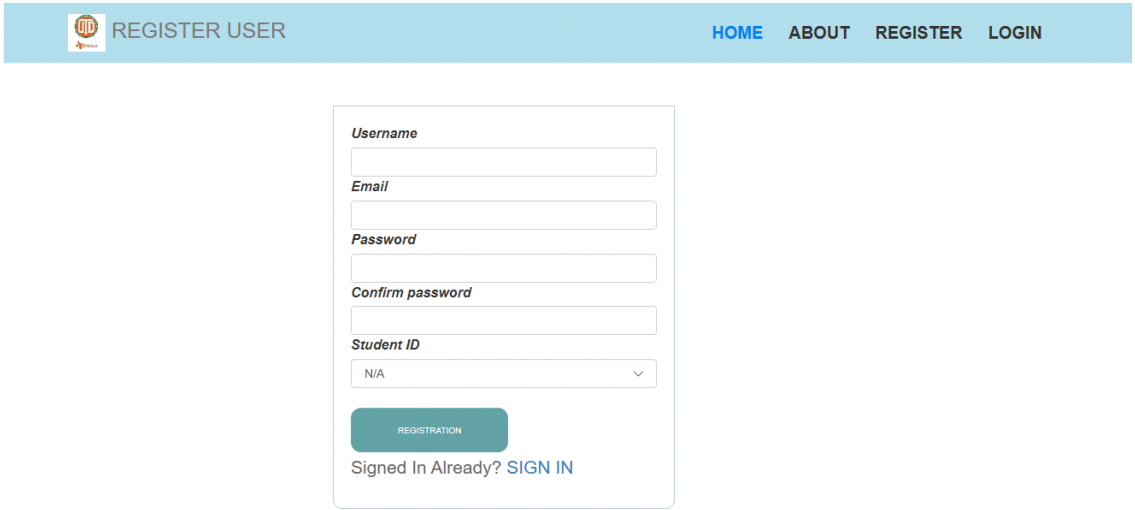
- Language: PHP, MYSQL, AJAX
- Framework: MAMP-PHPMYADMIN
- Editor: Sublime Text

Screenshots of the Website:

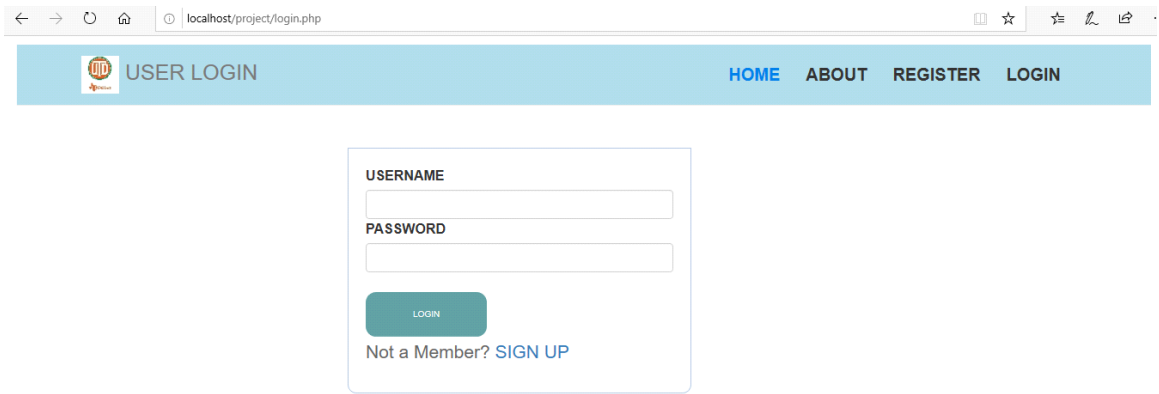
1.Welcome Page:



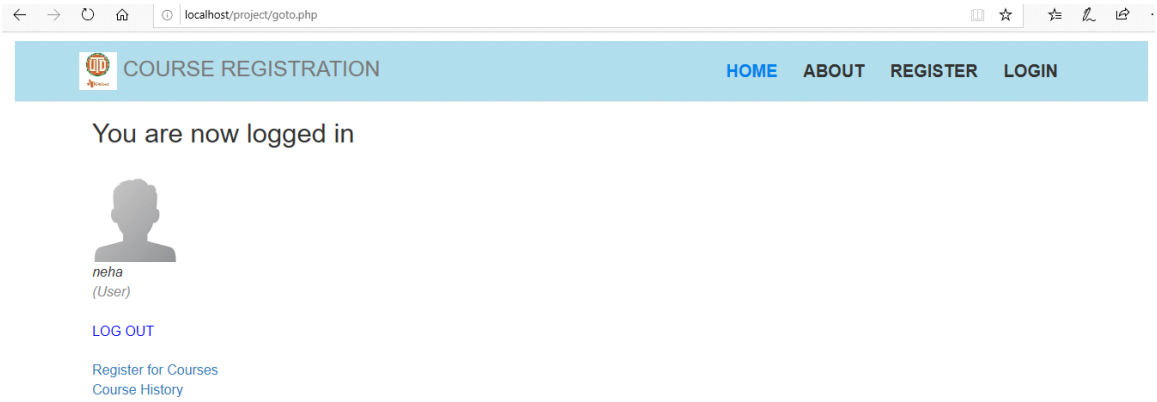
2. Register Page



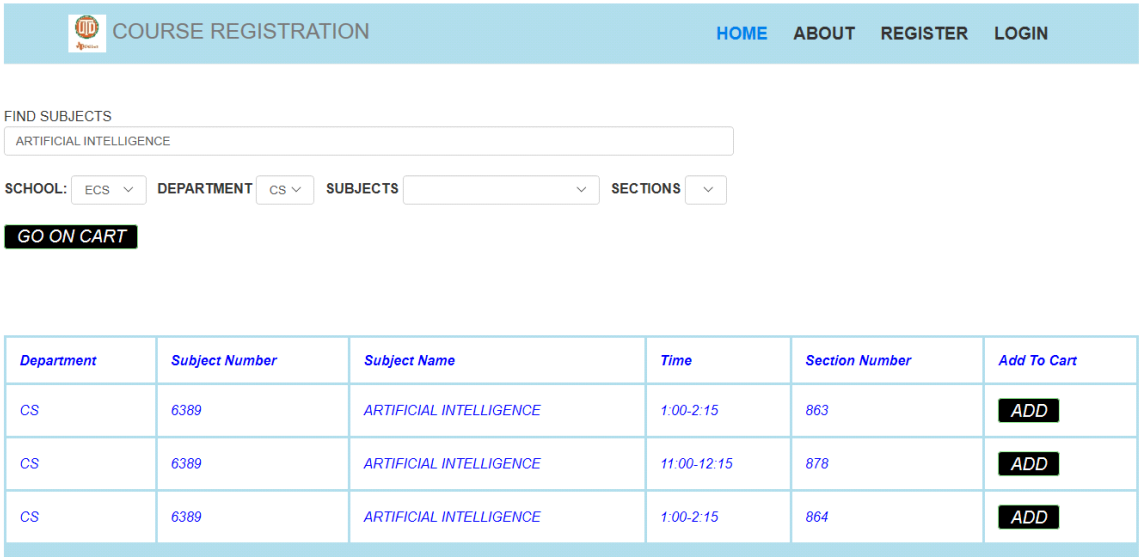
3.Login Page


localhost/project/login.php
USER LOGIN
HOME
ABOUT
REGISTER
LOGIN
USERNAME
PASSWORD
LOGIN
Not a Member? SIGN UP

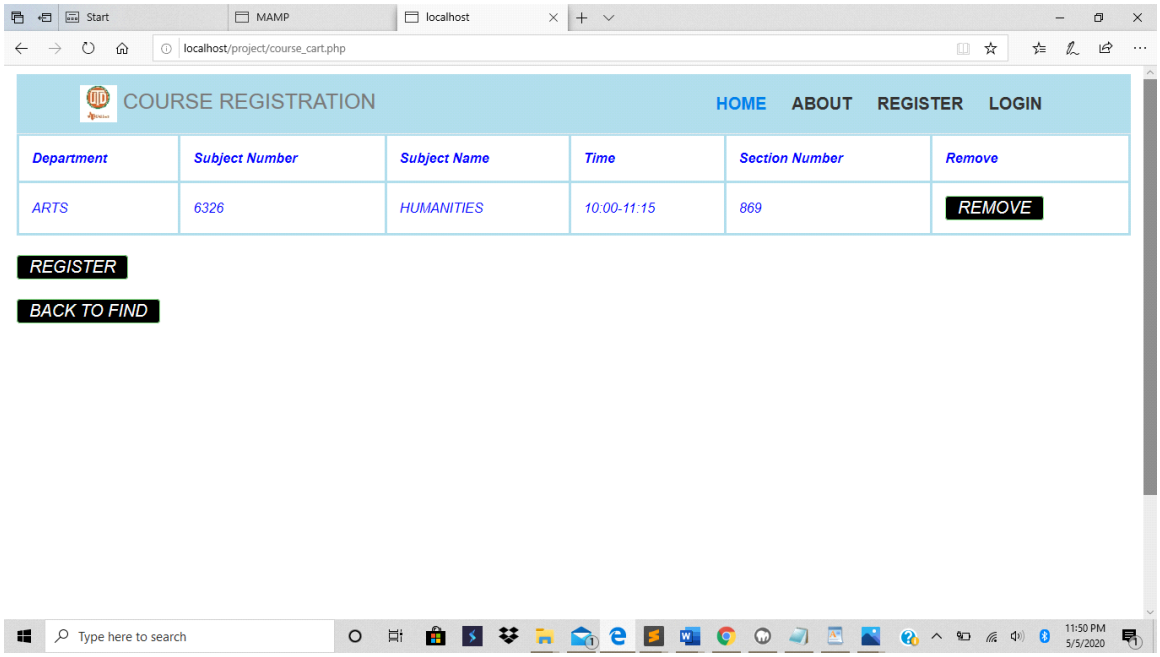
4.Welcome User Page



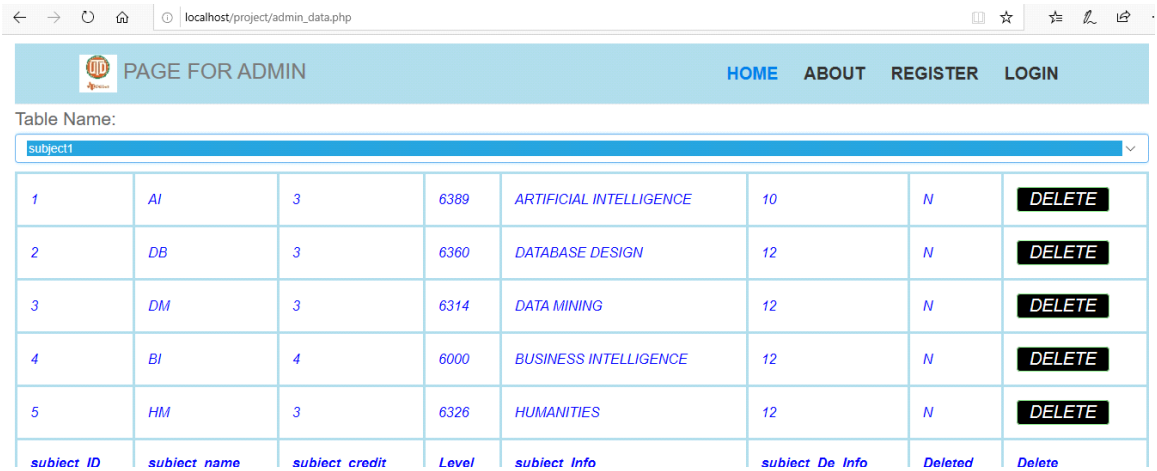
4.Search Page


COURSE REGISTRATION
HOME
ABOUT
REGISTER
LOGIN
FIND SUBJECTS
ARTIFICIAL INTELLIGENCE
SCHOOL: ECS
DEPARTMENT CS
SUBJECTS
SECTIONS
GO ON CART
Department
Subject Number
Subject Name
Time
Section Number
Add To Cart
CS
6389
ARTIFICIAL INTELLIGENCE
1:00-2:15
863
ADD
CS
6389
ARTIFICIAL INTELLIGENCE
11:00-12:15
878
ADD
CS
6389
ARTIFICIAL INTELLIGENCE
1:00-2:15
864
ADD

5.Cart Page


Start
MAMP
localhost
localhost/project/course_cart.php
COURSE REGISTRATION
HOME
ABOUT
REGISTER
LOGIN
Department
Subject Number
Subject Name
Time
Section Number
Remove
ARTS
6326
HUMANITIES
10:00-11:15
869
REMOVE
REGISTER
BACK TO FIND
Type here to search
11:50 PM
5/5/2020

6.Admin Page



TEAM MEMBER:

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Group No-36

Work Distribution:

Individually done the work.