

W D T F I N A L E V A L U A T I O N

STUDENT ELECTIVES MANAGEMENT SYSTEM

A N A N D A S R E E N I D H I
1 7 C S U 0 2 3



OVERVIEW

- Introduction
- Objectives
- Features
- Software, Tools used
- Conclusion and Updates

INTRODUCTION

We were to develop an application based on Problem Statement 3 - a Student Electives Management System.





OBJECTIVES

- To develop an application where:
- The Home Page contains a list of all the records (categorised by branch and semester) and an Admin Login facility.
- One logged in, the admin must be able to create, view, edit, and delete records.
- The admin must also be able to allot electives, but once allotted, the admin must not be able to edit the student's details.

FEATURES

- The next few slides outline the features of the application. A brief overview of the same:
- The records are categorised by branch and semester.
- Admin Login facility
- Admin Dashboard
- Edit/Create Records (Form)
- View Information (Cards)



H O M E P A G E

STUDENT ELECTIVES MANAGEMENT SYSTEM

Home

CSE

Civil

ECE

ME

Admin Login

Sherlock Holmes 17CSU001

DOB: 1999-01-01
Gender: M
Email: sherlock17csu001@ncuindia.edu
Phone: 9876543210
CGPA: 10

Feluda 17CSU003

DOB: 1999-05-01
Gender: M
Email: felu17csu003@ncuindia.edu
Phone: 9876543210
CGPA: 10

Byomkesh Bakshy 17CSU004

DOB: 1999-01-01
Gender: M
Email: byomkesh17csu004@ncuindia.edu
Phone: 9876543210
CGPA: 10

Nancy Drew 17CSU005

card feature
for student
information

HOME PAGE

← → ↺ 🏠 localhost:3000/records ... 🛡️ ☆ 📊 📅 🌙 🌐 🔄 🟢 📡 🗨️ 🌈 🖋️ 📄 🌱

STUDENT ELECTIVES MANAGEMENT SYSTEM

Home

CSE

Civil

ECE

ME

Admin Login

Shriharsh Mahipat 17CSU001

DOB: 1999-01-01
Gender: M
Email: shriharlock17csu001@ncuindia.edu
Phone: 9876543210
CGPA: 10

Pranav Kulkarni 17CSU002

DOB: 1999-05-01
Gender: M
Email: felu17csu003@ncuindia.edu
Phone: 9876543210
CGPA: 10

Byomkesh Bakshy 17CSU004

DOB: 1999-01-01
Gender: M
Email: byomkesh17csu004@ncuindia.edu
Phone: 9876543210
CGPA: 10

Nancy Drew 17CSU005

Students are categorised by branches (drop-downs), and there is a route to the Home page and to the Admin login facility.

HOME PAGE

STUDENT ELECTIVES MANAGEMENT SYSTEM

Home

CSE

- CSE
- CSE II
- CSE III
- CSE IV
- CSE VI
- CSE VII

Admin Login

On clicking the branch drop-down, a list of semesters opens. When a semester is chosen, the records matching the branch+semester combination are shown.

Herlock Holmes 17CSU001

DOB: 1999-01-01
Gender: M
Email: herlock17csu001@ncuindia.edu
Phone: 9876543210
CGPA: 10

Feluda 17CSU003

DOB: 1999-05-01
Gender: M
Email: felu17csu003@ncuindia.edu
Phone: 9876543210
CGPA: 10

Byomkesh Bakshy 17CSU004

DOB: 1999-01-01
Gender: M
Email: byomkesh17csu004@ncuindia.edu
Phone: 9876543210
CGPA: 10

Nancy Drew 17CSU005

HOME PAGE

← → ↺ 🏠 ⓘ localhost:3000/records ... 📄 ⭐

STUDENT ELECTIVES MANAGEMENT SYSTEM

Home

CSE VI

Civil

ME

Admin Login

Nancy Drew 17CSU005

DOB: 1999-01-01
Gender: F
Email: nancy17csu005@ncuindia.edu
Phone: 9876543210
CGPA: 10

L. Lawliet 17CSU010

DOB: 1999-01-01
Gender: F
Email: lawliet17csu010@ncuindia.edu
Phone: 9876543210
CGPA: 10

Bruce Wayne 17CSU007

DOB: 1999-01-01
Gender: M
Email: bruce17csu007@ncuindia.edu
Phone: 9876543210
CGPA: 8

Back

A branch + semester combination is selected.

All the records for the students matching the branch + semester combination are listed in decreasing order of their CGPA.

ADMIN LOGIN PAGE



STUDENT ELECTIVES MANAGEMENT SYSTEM

Name

Password

Go back

Log In

ADMIN DASHBOARD

STUDENT ELECTIVES MANAGEMENT SYSTEM

Edit Student Info

Logout

Table of
student
details

Roll No.	Name	Branch	Semester	CGPA	Options		
17CSU001	Sherlock Holmes	CSE	IV	10	View	Edit	Delete
17MEU002	Lara Croft	ME	IV	9.58	View	Edit	Delete
17CSU003	Feluda	ECE	IV	10	View	Edit	Delete
17CSU004	Byomkesh Bakshy	Civil	IV	10	View	Edit	Delete
17CSU005	Nancy Drew	CSE	VI	10	View	Edit	Delete
17CSU006	L. Auguste Dupin	CSE	VII	10	View	Edit	Delete
17CSU007	Bruce Wayne	ME	VI	8	View	Edit	Delete
17CSU008	Jane Rizzoli	CSE	III	9.2	View	Edit	Delete
17CSU009	Kate Beckett	Civil	II	6	View	Edit	Delete
17CSU010	L. Lawliet	CSE	VI	10	View	Edit	Delete

Create New Student

Option to
create records

Options to view,
edit, and delete
records


ADMIN - VIEW PAGE



STUDENT ELECTIVES MANAGEMENT SYSTEM

Edit Student Info

Logout

 Sherlock Holmes **17CSU001**

Branch: CSE

Gender: M

DOB: 1999-01-01

Email: sherlock17csu001@ncuindia.edu

Phone: 9876543210

Semester: IV

CGPA: 10

Back

Individual student cards

ADMIN - EDIT PAGE

← → ↺ 🏠 ⓘ localhost:3000/admin/main/students/edit/1 ⋮ 🛡️ ☆

STUDENT ELECTIVES MANAGEMENT SYSTEM

Edit Student Info

Logout

Name	<input type="text" value="Sherlock Holmes"/>
Branch	<input type="text" value="CSE"/>
Semester	<input type="text" value="IV"/>
Gender:	<input type="text" value="M"/>
DOB	<input type="text" value="1999-01-01"/>
Email	<input type="text" value="sherlock17csu001@ncuindia.edu"/>
Phone	<input type="text" value="9876543210"/>

Form to edit student details (or create, as per mode)

ADMIN - EDIT PAGE

Gender:

M

DOB

1999-01-01

Email

sherlock17csu001@ncuindia.edu

Phone

9876543210

CGPA

10

Elective Choice 1:

Elective Choice 2:

Save

Cancel

Elective choices are not filled, so elective cannot be allotted.

ADMIN - EDIT PAGE

DOB

1999-01-01

Email

sherlock17csu001@ncuindia.edu

Phone

9876543210

CGPA

10

Elective Choice 1:

Advanced Java

Elective Choice 2:

Allot Elective:

Save

Cancel

At least one elective
choice must be filled
before elective can be
allotted.

ADMIN - EDIT PAGE

localhost:3000/admin/main/students/edit/1

DOB
1999-01-01

Email
sherlock17csu001@ncuindia.edu

Phone
9876543210

CGPA
10

Elective Choice 1:
Advanced Java

Elective Choice 2:
Big Data

Allot Elective:
Advanced Java
Advanced Java
Big Data

Final elective can only be allotted from the two elective choices filled

ADMIN - EDIT PAGE

localhost:3000/admin/main/students/edit/1

Branch
CSE

Semester
IV

Gender:
M

DOB
1999-01-01

Email
sherlock17csu001@ncuindia.edu

Phone
9876543210

CGPA
10

Save Cancel

The fields disappear and cannot be edited anymore. To change elective, we must be able to edit data.js

ADMIN - EDIT PAGE

STUDENT ELECTIVES MANAGEMENT SYSTEM

Edit Student Info

Logout

Roll No.	Name	Branch	Semester	CGPA	Options		
17CSU001	Sherlock Holmes	CSE	IV	10	View	Delete	
17MEU002	Lara Croft	ME	IV	9.5	View	Edit	Delete
17CSU003	Feluda	ECE	IV	10	View	Edit	Delete
17CSU004	Byomkesh Bakshy	Civil	IV	10	View	Edit	Delete
17CSU005	Nancy Drew	CSE	VI	10	View	Edit	Delete
17CSU006	L. Auguste Dupin	CSE	VII	10	View	Edit	Delete
17CSU007	Bruce Wayne	ME	VI	8	View	Edit	Delete
17CSU008	Jane Rizzoli	CSE	III	9.2	View	Edit	Delete
17CSU009	Kate Beckett	Civil	II	9	View	Edit	Delete
17CSU010	L. Lawliet	CSE	VI	10	View	Edit	Delete

Create New Student


The option to edit the student details has disappeared after the elective has been allotted.

ADMIN - EDIT PAGE

STUDENT ELECTIVES MANAGEMENT SYSTEM

Edit Student Info

Logout

 Sherlock Holmes **17CSU001**

Branch: CSE

Gender: M

DOB: 1999-01-01

Email: sherlock17csu001@ncuindia.edu

Phone: 9876543210

Semester: IV

CGPA: 10

Big Data

Back

The changes are
reflected in the view
page

HOME PAGE

STUDENT ELECTIVES MANAGEMENT SYSTEM

Home


CSE

Civil

ECE

ME

Admin Login

 Sherlock Holmes **17CSU001**

DOB: 1999-01-01


Gender: M

Email: sherlock17csu001@ncuindia.edu

Phone: 9876543210

CGPA: 10

Big Data

 Feluda **17CSU003**


DOB: 1999-05-01

Gender: M

Email: felu17csu003@ncuindia.edu

Phone: 9876543210

CGPA: 10

 Byomkesh Bakshy **17CSU004**


DOB: 1999-01-01

Gender: M

Email: byomkesh17csu004@ncuindia.edu

Phone: 9876543210

CGPA: 10

 Nancy Drew **17CSU005**

The changes are reflected in the home page after logging out



SOFTWARE/ TOOLS USED

- Microsoft VS Code
- Angular 7
- Bootstrap
- Font Awesome
- JSON Server
- MVC Architecture
- HTML5, CSS3, TypeScript

CONCLUSION AND UPDATES

The required application was successfully developed.

Update: The "save/create" button has been hidden in the "edit/create" form until all the required fields are filled and validated.

