

CEHD Teacher Certification Manager

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INTRODUCTION

The main objective of the project is to create an application to record, maintain and approve the time logs of the students. This is a new application which is being designed to address the requirement of the College of Education and Human Development (CEHD). The students would be filling the time logs for each working day in the application, which would be notified via mail to the cooperating teacher for approval of the student time-logs.

TOOLS USED

1. GitHub
2. Heroku
3. AWS RDS
4. Django REST Framework
5. SMTP
6. CodeClimate
7. Behave (Cucumber)

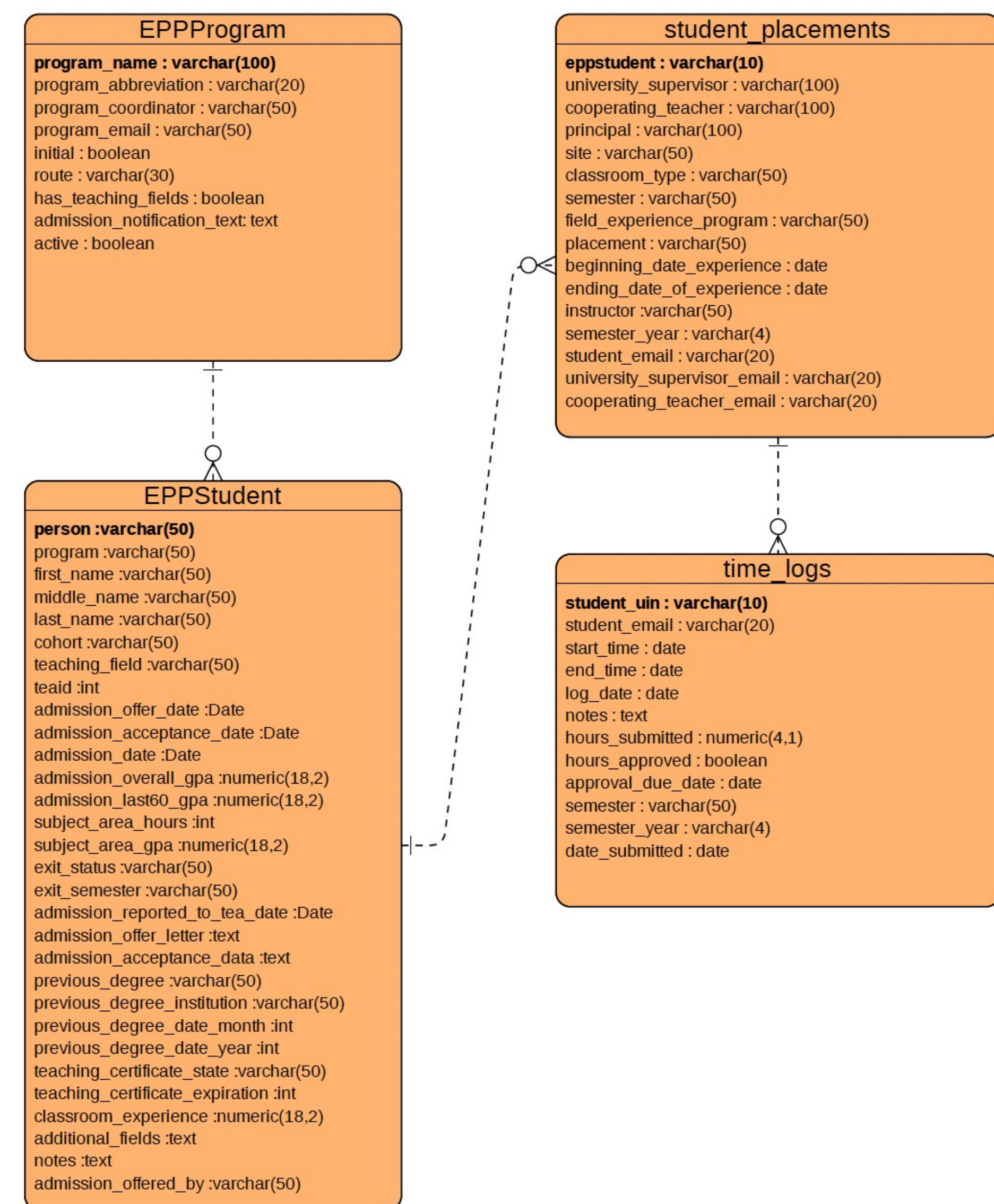
ER- Diagram

Tables already existing in system on which we have dependency :

- EPPProgram
- EPPStudent

Tables created for this application:

- Student_Placements
- Time_Logs



FEATURES

User Authentication

The user can login as a student, co-op teacher or supervisor with their credentials.

Sign In

Username*

Password*

Are you a Student, Co-Op Teacher or Supervisor?

Select below *

Student

Log In

Submit Timesheet - Student

The user can login as a student, co-op teacher or supervisor with their credentials.

Submit Timesheets

Student Name: John C Doe Student UIN: 123 Student email: abc@xyz.com

Semester: SPRING Supervisor: John Paul Co-Op Teacher: Michael Moore

Co-Op Teacher email: moore@xyz.com

View Previous Timesheets

Date	Notes/Comments	Start Time	End Time	Total Hours	Approved
25-04-2022	current week monday	09:31 AM	04:51 AM	1.0	No
26-04-2022	current week tuesday	07:42 PM	09:42 PM	2.0	No
27-04-2022	current week wednesday	12:50 AM	02:50 AM	1.0	No
28-04-2022	current week thursday	04:02 PM	06:02 PM	3.0	No
29-04-2022	current week friday	03:03 PM	10:03 PM	4.0	No
30-04-2022					N/A
01-05-2022					N/A

Save Timesheet Submit Timesheet

View Submitted Timesheet - Student

The student can view the submitted timesheets and check approval status of the timesheets. The student can check previous submitted timesheets too.

View Submitted Timesheets

Student Name: John C Doe Student UIN: 123 Student email: abc@xyz.com

Semester: SPRING Supervisor: John Paul Co-Op Teacher: Michael Moore

Co-Op Teacher email: moore@xyz.com Start Date: 25-04-2022 End Date: 01-05-2022

View Selected Timesheets Submit Timesheets

Date	Notes/Comments	Start Time	End Time	Total Hours	Hours Approval
25-04-2022	current week monday	09:31 AM	04:51 AM	1.0	No
26-04-2022	current week tuesday	07:42 PM	09:42 PM	2.0	No
27-04-2022	current week wednesday	12:50 AM	02:50 AM	1.0	No
28-04-2022	current week thursday	04:02 PM	06:02 PM	3.0	No
29-04-2022	current week friday	03:03 PM	10:03 PM	4.0	No

View Timesheet - Coop Teacher

The coop teacher can view the current week timesheet that the student has submitted for the approval. The co-op teacher has flexibility to select start-date and end date , semester, semester year and student from the drop-down provided.

View Timesheets

Cooperating Teacher Name: Michael Moore Cooperating Teacher Email: moore@xyz.com

Semester: Select Semester Year: Select Year Students: John C Doe (abc@xyz.com)

Status: Approved Submitted Both Start Date: 18-04-2022 End Date: 20-04-2022

View Selected Timesheets Home

At least one required

Date	Notes/Comments	Start Time	End Time	Total Hours	Approved
18-04-2022	previous week monday	08:54 PM	11:54 AM	0.0	Yes
19-04-2022	previous week tuesday	11:59 AM	02:59 PM	4.0	Yes
20-04-2022	previous week wednesday	04:32 AM	06:32 AM	2.0	Yes

Approve Timesheet - Coop Teacher

The coop teacher can view and approve the current week timesheet that the student has submitted for the approval. The coop teacher has flexibility to select start-date and end date , semester, semester year and student from the drop-down provided.

Review Timesheets

Student Name: John C Doe Supervisor Name: John Paul Coop Teacher Name: Michael Moore

Student Email: abc@xyz.com Supervisor Email: johnny@xyz.com Coop Teacher Email: moore@xyz.com

Semester: spring Year: 2022

View Previous Timesheets

Timesheets approval of previous week can only be done on or after May 2, 2022. All timesheets should be approved/rejected by May 4, 2022.

Date	Notes/Comments	Start Time	End Time	Total Hours	Approved
25-04-2022	current week monday	09:31 AM	04:51 AM	1.0	No
26-04-2022	current week tuesday	07:42 PM	09:42 PM	2.0	No
27-04-2022	current week wednesday	12:50 AM	02:50 AM	1.0	No
28-04-2022	current week thursday	04:02 PM	06:02 PM	3.0	No
29-04-2022	current week friday	03:03 PM	10:03 PM	4.0	No
30-04-2022					N/A
01-05-2022					N/A

Approve Timesheet Reject Timesheet

View Timesheets – Supervisor

The supervisor can monitor the progress of the students under the coop teacher throughout the semester. The supervisor can view time logs of all the timesheets submitted by students under all co-op teachers.

Review Timesheets

Supervisor Name: John Paul Supervisor Email: johnny@xyz.com

Semester: Select Semester Year: Select Year Cooperating Teachers: Michael Moore (moore@xyz.com)

Start Date: 18-04-2022 End Date: 20-04-2022

View Selected Timesheets Export Selected Timesheets

At least one required

Date	Student Name	Student Email	Notes/Comments	Start Time	End Time	Total Hours	Approved
18-04-2022	John C Doe	abc@xyz.com	previous week monday	08:55 PM	11:54 AM	0.0	Yes
19-04-2022	John C Doe	abc@xyz.com	previous week tuesday	11:59 AM	02:59 PM	4.0	Yes
20-04-2022	John C Doe	abc@xyz.com	previous week wednesday	04:32 AM	06:32 AM	2.0	Yes

Email Functionality

Whenever the student submits the timesheet, the co-op teacher is notified via email to approve or reject the timesheet. And whenever the co-op teacher rejects or approves the timesheet, the student is notified via email to make changes and resubmit the updated timesheet if needed.

Timesheet Submitted | Waiting for approval > Inbox x

seprojtestemail@gmail.com

to me +

Hi,

The student John C Doe (abc@xyz.com) has submitted the timesheet on 2022-04-29 for approval. Please login to your account to approve the time sheets.

Best regards

Reply Forward

Timesheet Approved > Inbox x

seprojtestemail@gmail.com

to me +

Hi,

The timesheets submitted for the dates between 2022-04-18 and 2022-04-24 have been approved on 2022-04-27 by Michael Moore. You can login to your account to verify the status of your submitted time sheets.

Best regards

Reply Forward

Timesheet Rejected | Contact your assigned cooperating teacher > Inbox x

seprojtestemail@gmail.com

to me +

Hi,

The timesheets submitted for the dates between 2022-04-18 and 2022-04-24 have been rejected on 2022-04-27 by Michael Moore. Please contact your assigned cooperating teacher, Michael Moore (moore@xyz.com) for more information.

Best regards

Reply Forward

CONCLUSIONS

- The application would help in digitalizing the manual timesheet logging and approval process of the students.
- All the necessary features of submitting , viewing, updating, rejecting, the timesheets has been implemented in this release of the application.

Important Links :

Pivotal tracker : <https://www.pivotaltracker.com/n/projects/2555005>

GitHub Repo : https://github.com/sanjaynayak1628/CEHD_Aggie_Educator_Portal/

Heroku deployment : <http://arcane-temple-55328.herokuapp.com/>

Code Coverage : https://codeclimate.com/github/sanjaynayak1628/CEHD_Aggie_Educator_Portal