**Child Care Management-Project Report**

**Team Members:**

Pradeep Kumar Reddy Kotla- Z23736084

Meghananjali Remala-Z23701551

Kandala Sravani Reddy- Z23718027

Kotha Sharath Chandra Reddy- Z23713523

**1.Project Demo Video Link:**

https://drive.google.com/file/d/1ncw1N8NIgG1Qv1ZBH\_sX9X257dYE1ECb/view

**Repository links:**

[**https://github.com/PradheepKotla/Childcaremasterfinal**](https://github.com/PradheepKotla/Childcaremasterfinal)

[**https://github.com/PradheepKotla/Childcare-frontend-final**](https://github.com/PradheepKotla/Childcare-frontend-final)

**Deployment link:**

Front end URL link  
<https://child-care-frontend.vercel.app/>

**User Roles:** Teachers and Parents

**Teacher credentials:**

Username: [Tim@gmail.com](mailto:Tim@gmail.com)

Password: Tim@password1234

**Parent credentials:**

Username: [James@gmail.com](mailto:James@gmail.com)

Password: James@password1234

**System administrator link:**  
<https://childcaremanagement-b60d080c2e1d.herokuapp.com/admin/>

**User Role:** Admin

Username: [admin@gmail.com](mailto:admin@gmail.com)

Password: admin

**2.Introduction**

**User Roles:** The system has two primary roles, which are System Administrator and Facility Administrator

**System Administrator:** The System Administrator has complete view and control over its operations.

They have the authority to create accounts for and provide access to new childcare facilities that wish to leverage this software application.

**Child Enrollment Management:** This functionality allows for the efficient enrollment of children, capturing essential information about each child and their parents, including allergies and contact details.

**Staff Management:** Facility Administrators can hire, terminate, and assign staff members to specific classrooms.

Information such as names, dates of birth, addresses, phone numbers, and hourly salaries are managed through this feature.

**3.Objective**

The Childcare Management System, built using the Django framework, aims to efficiently handle the day-to-day operations of a childcare facility. This cloud-based web application is designed to be multi-browser compatible and offers various user roles, including System Administrator and Facility Administrator.

In this childcare management, admin, teacher, students can handle their day-to-day operations.

The admin and teachers have their own functions.

**4.Technology Stack**

**Backend:** We developed the web application using Python with Django framework.

**Database:** We used sqllite database, to store the database.

**Frontend:** We used React js through which we utilised HTML, CSS, javaScript for the frontend part.

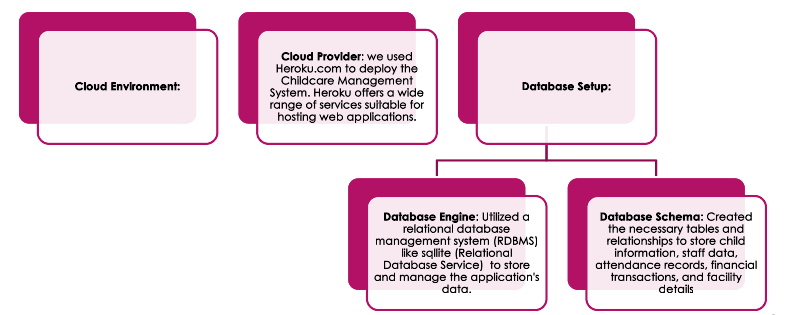
**Cloud Technology:** We are going to use the Heroku platform to host our website. This Heroku platform is developed by the salesforce company.

**5.Flowchart for Childcare Management System**

A diagram of a childcare management system

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**6.Cloud Technology**



**7.Deployment Steps**

### 1. Installed Heroku CLI

2. Set up the django project with git init command

3. Configured the database by changing the database default settings

4. Configured static and media files in settings.py file

5. Created a procfile so that heroku was able to run our application

6. Installed dependencies with pip install command

7. Updated the requirements.txt file as required

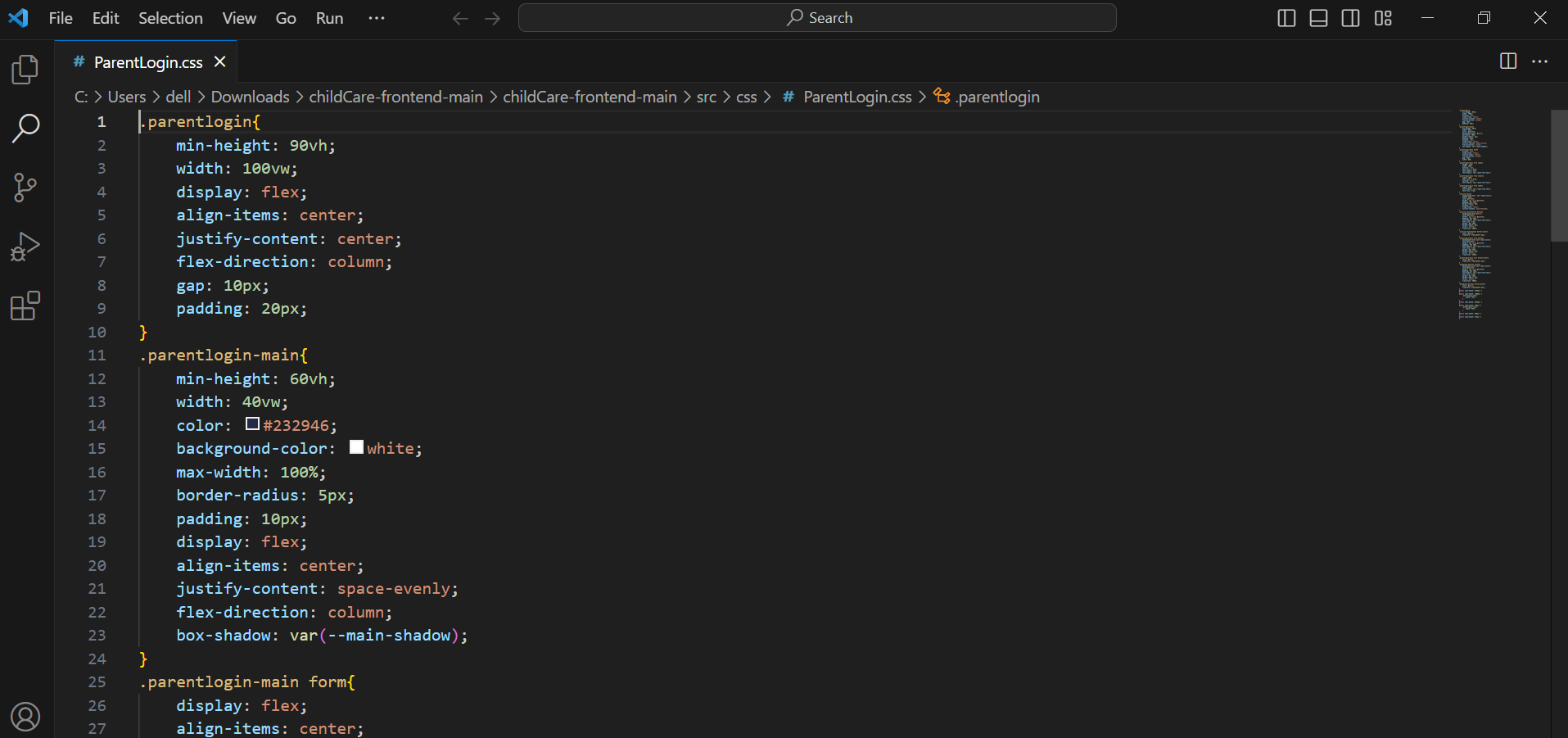
8. Environment variables set up

9. Deployed to heroku with the commands heroku login, heroku create childcaremanagement, git remote add heroku https://git.heroku.com/childcaremanagement.git, git push heroku master, heroku run python manage.py migrate, heroku open.

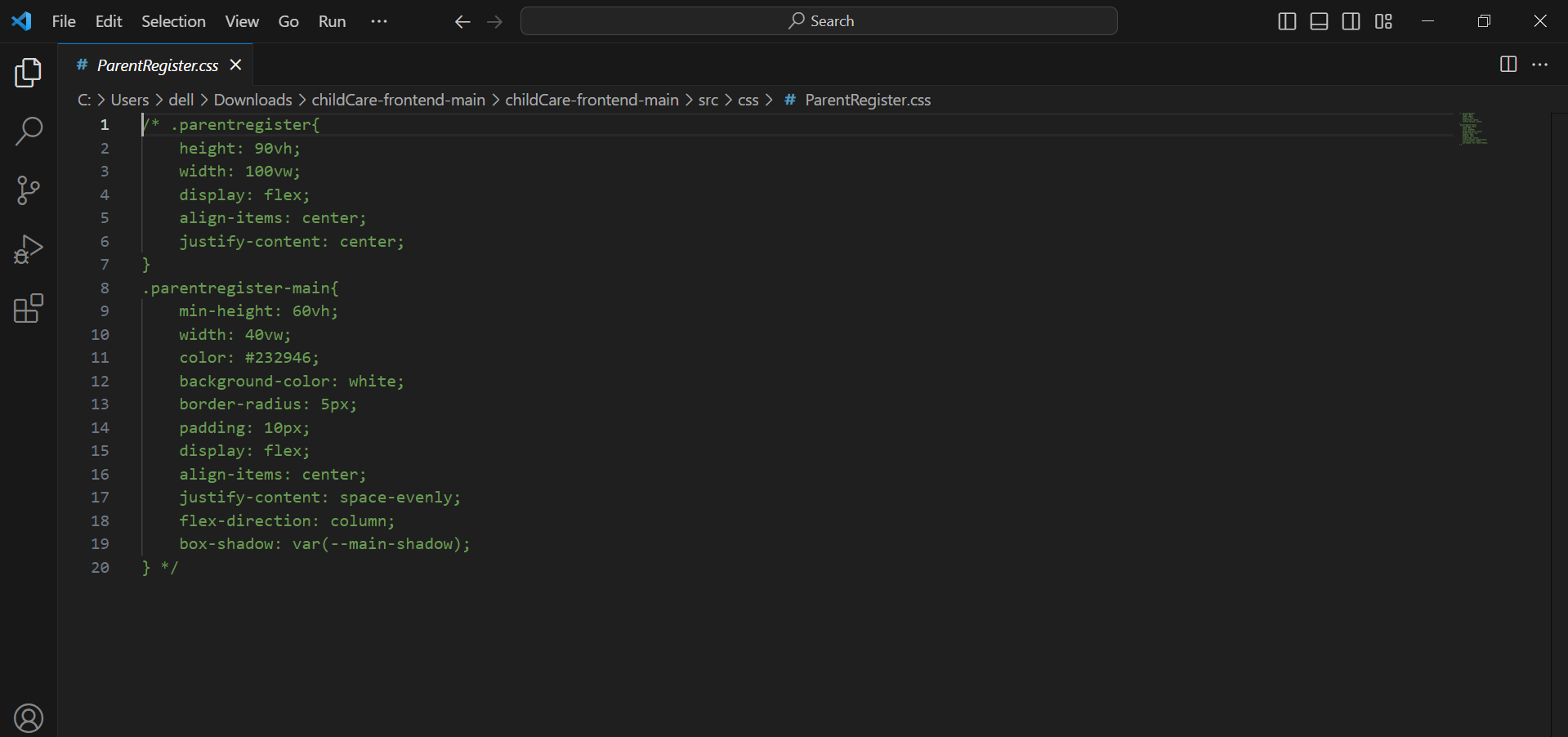
**8.Application FrontEnd**

**a. Cascading Style Sheets:**

**Parent Login**

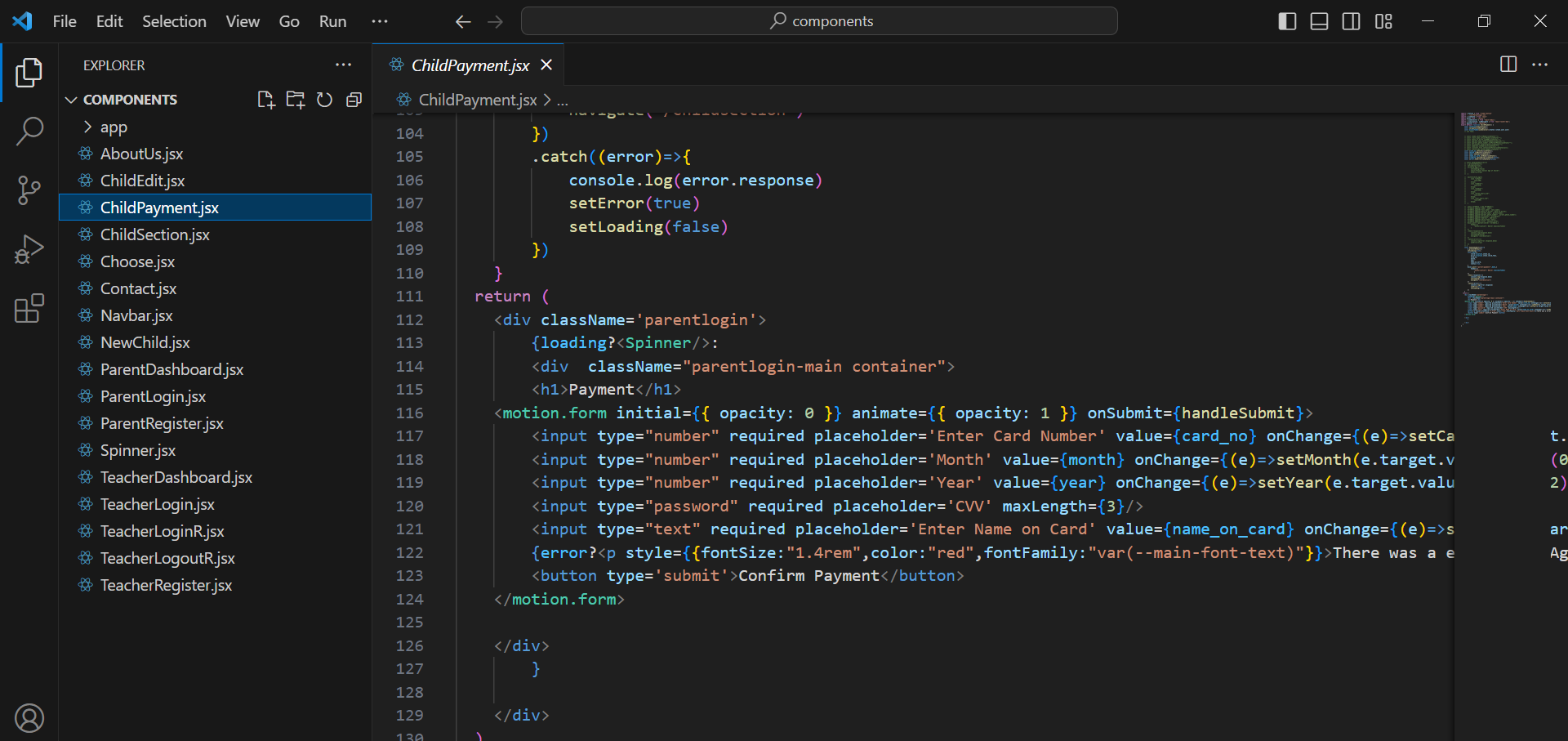


**Parent Register**

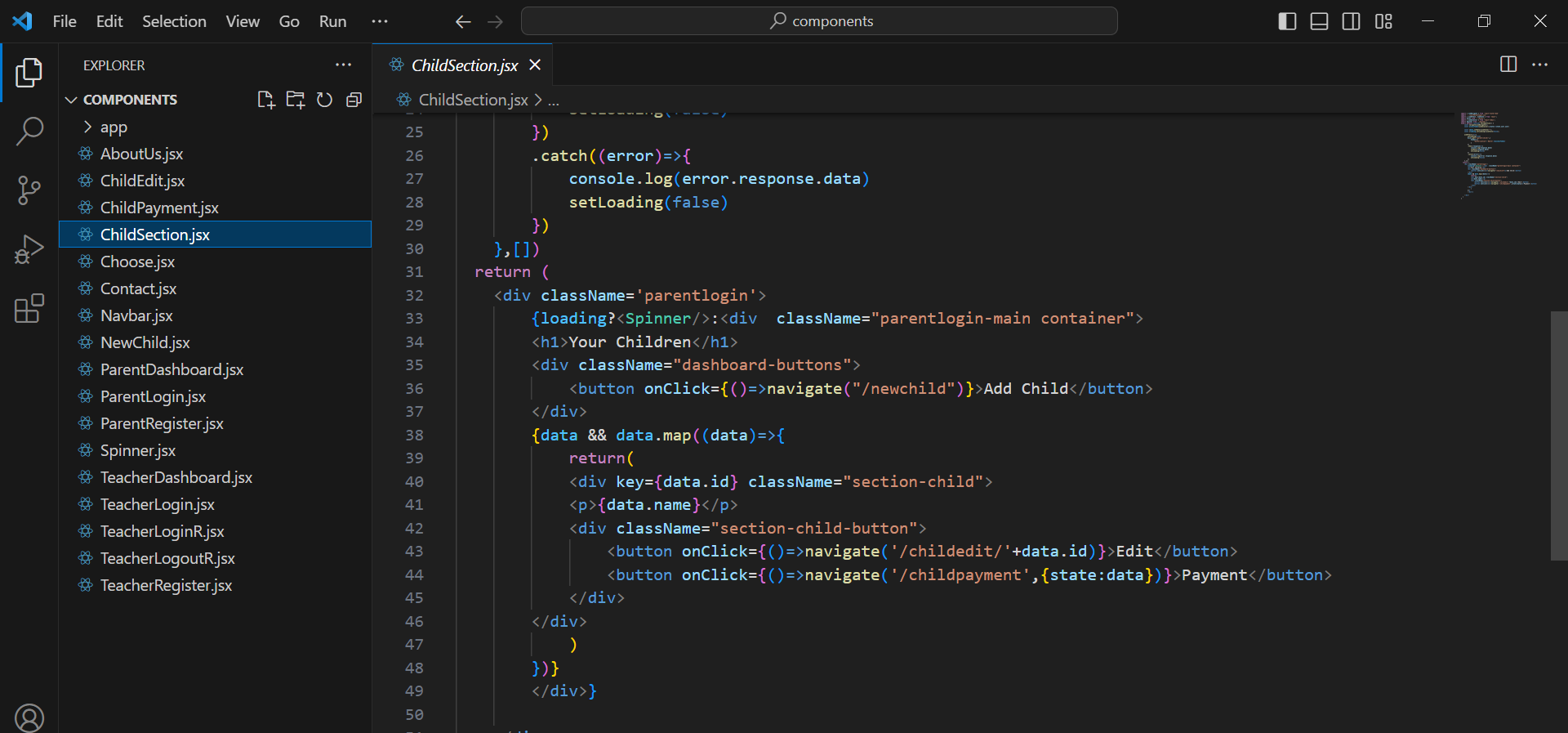


**b. JavaScript Files:**

**Child Payment**



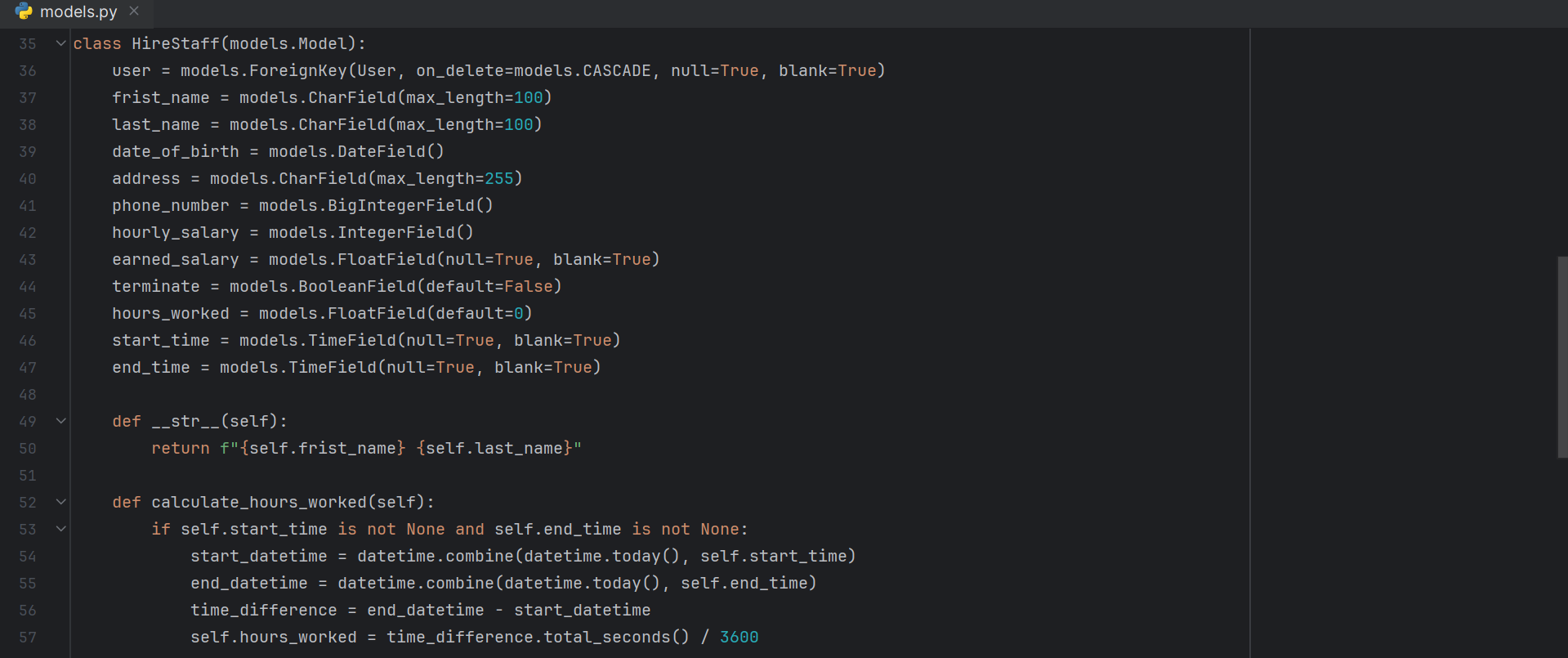
**Child Section**



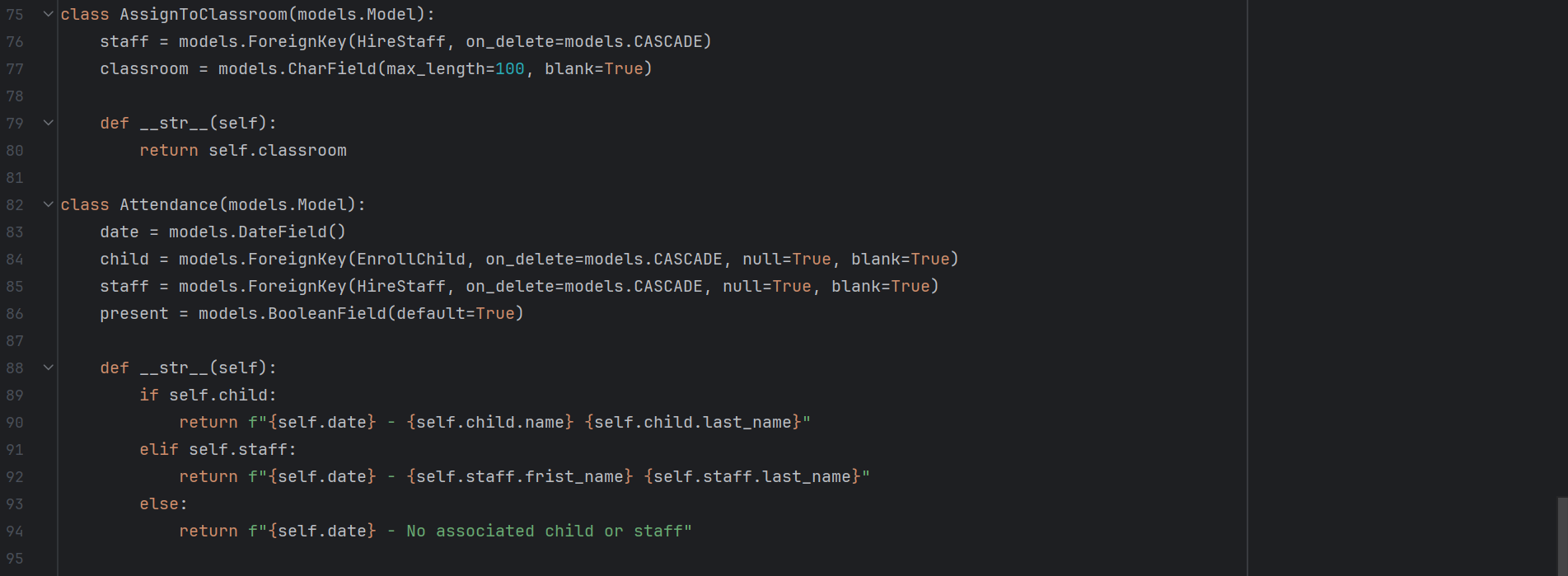
**9.Application Codes**

**Python Source Code Files:**

**Hire Staff Model**



**Assignment to Class and Attendance**



**10.Results:**

**Child Care Login/Register Page for Parent and Teacher**

A screenshot of a computer

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**Parent Login Page**

A screenshot of a login page

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**Parent Update Profile**

A screenshot of a web page

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**Teacher Login Page**

A screenshot of a login

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**Teacher Registration Page**A screenshot of a login form

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**Admin Page**

A screenshot of a computer

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**Assign to Classroom Page**

A screenshot of a computer

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**Attendance Page**

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**HireStaff Page**

A screenshot of a login page

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**11.Conclusion**

* The Childcare Management System represents a comprehensive and efficient solution for the day-to-day operations of childcare facilities. By leveraging a cloud-based web application with database management and web server configurations, this system aims to improve the overall childcare experience for parents, teachers, and administrators.
* Key highlights of the Childcare Management System include:
* User-Focused Approach: The system caters to various user roles, including System Administrators, Facility Administrators, teachers, and parents. It ensures that each user can access and manage information relevant to their responsibilities.
* Efficient Child Enrollment: The system simplifies the process of enrolling children, capturing essential details about both children and their parents. This aids in creating a comprehensive database for childcare facilities.
* Staff Management: Facility Administrators can efficiently manage staff members, from hiring to termination, while ensuring the right teacher-to-child ratios for each age group.
* Financial Transparency: The system automates the collection of tuition fees and provides clear accounting ledgers for each child, offering a transparent financial overview.
* Daily Attendance Tracking: Accurate daily attendance records are crucial for ensuring child safety and facilitating communication between parents and teachers.