



A recognition

User manual

The team -

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The client -

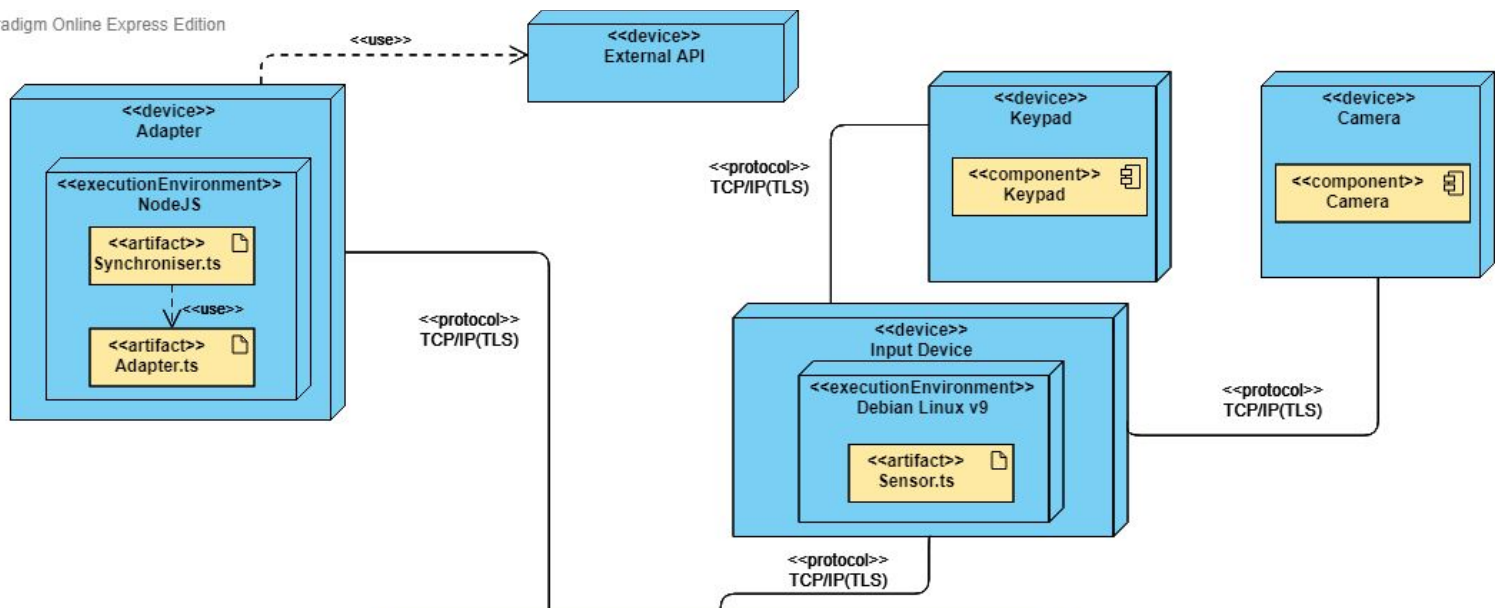
EPI-Use ,advance division *

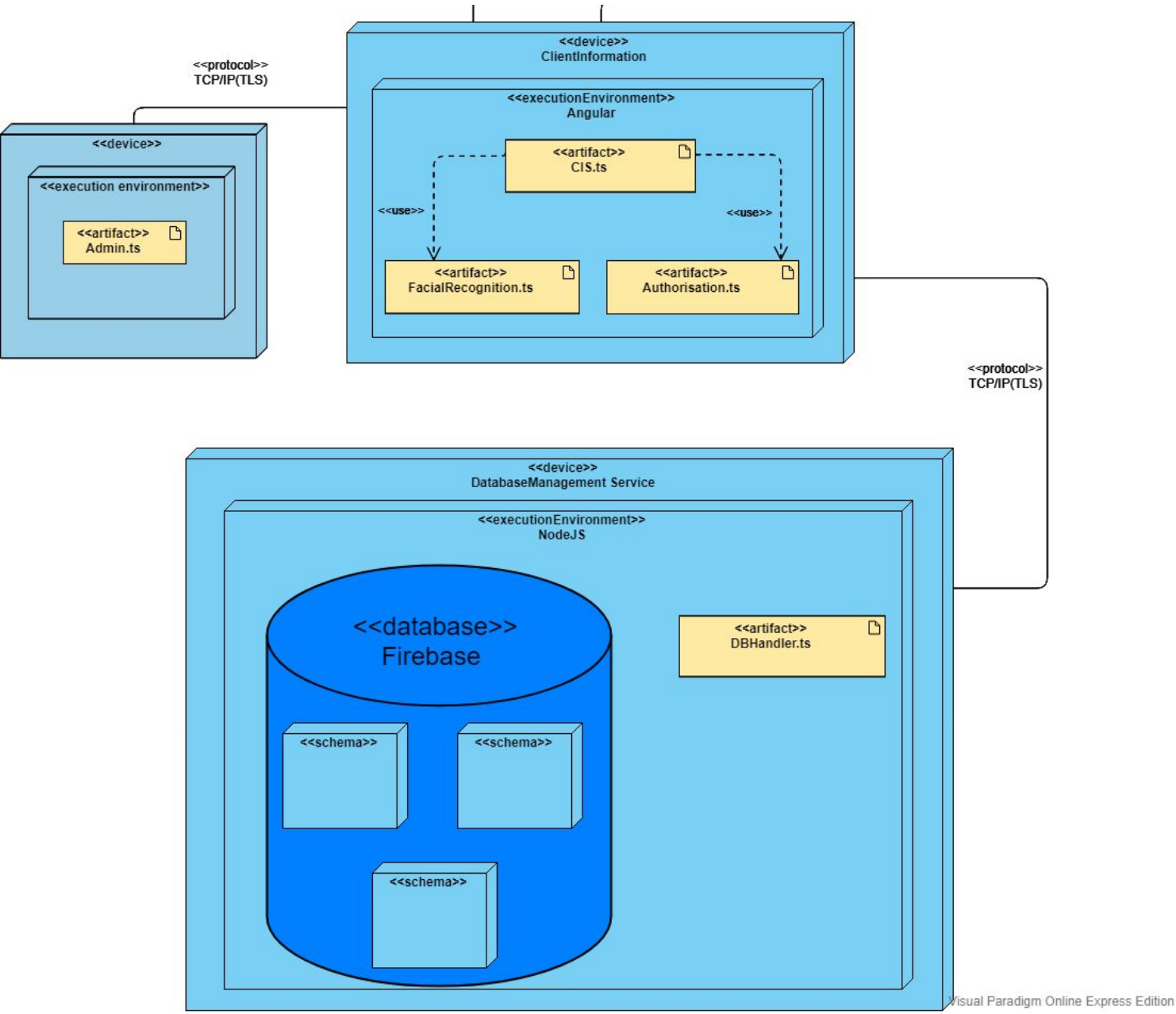
System Overview

The system is capable of registering users and then later identifying them via facial recognition.

System Configuration

Visual Paradigm Online Express Edition







Installation

The software is currently only available at

<https://github.com/cos301-2019-se/A-Recognition>

Open your systems terminal and type in git clone

<https://github.com/cos301-2019-se/A-Recognition.git>

Once the repo is cloned enter the A-Recognition file and then type in:

```
pip install -r requirements.txt
python3 fr.py;python3 encoding.py
cd DemoOne
npm install
ng serve -o
```

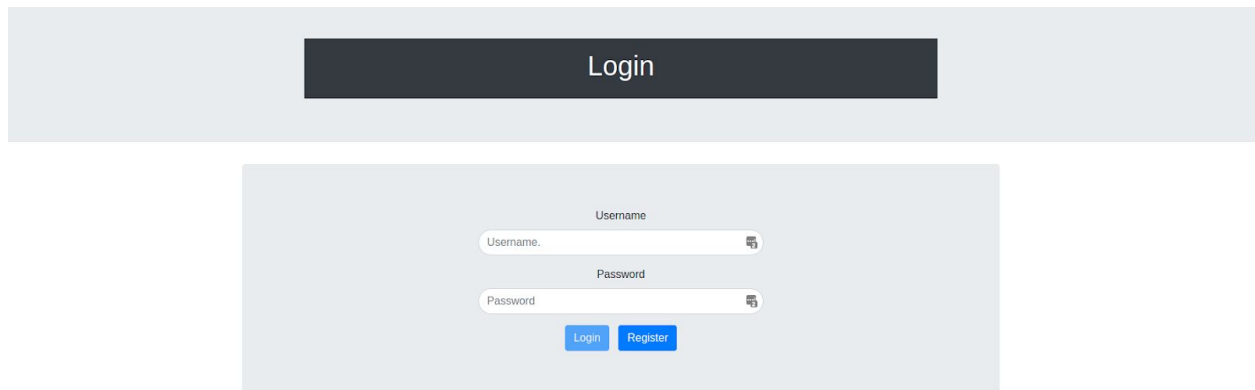
You will notice your browser window open on the login page.



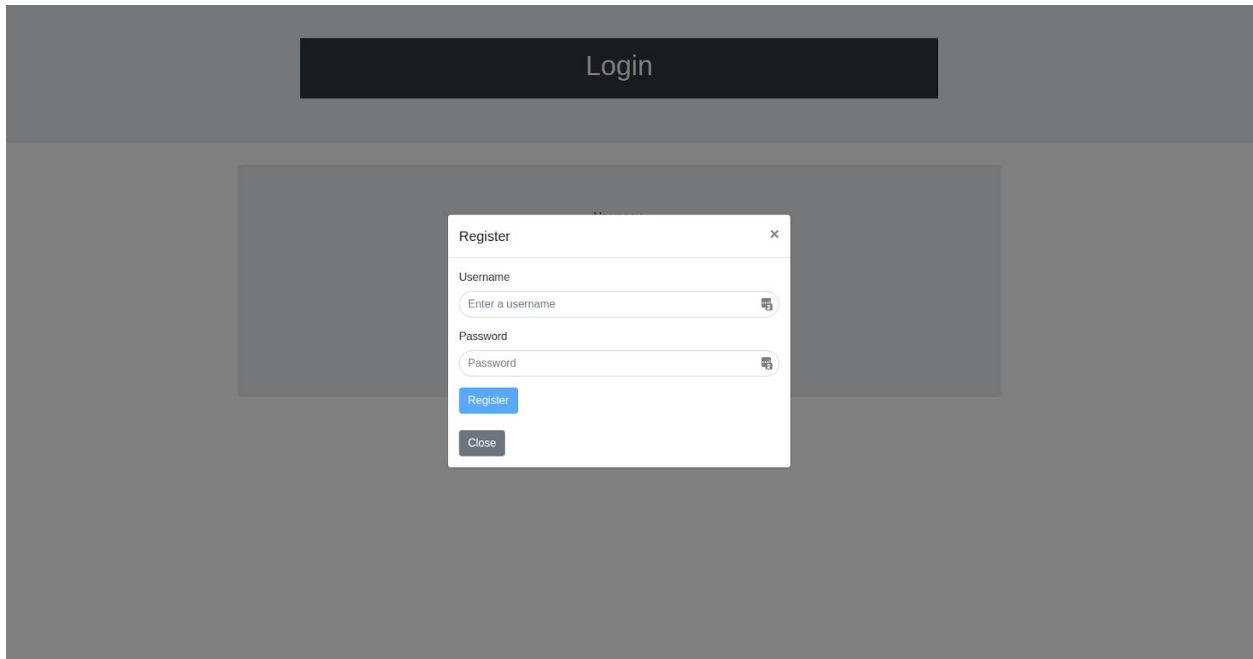
Getting started

First time use

Click on “register” button, a popup menu will appear. Enter the necessary details then select “register”. The popup menu will close and you will see the login page. Enter your details and select “login”. You will be brought to a new admin page.



The image shows a user interface for a login and registration system. At the top, there is a dark gray rectangular button labeled "Login". Below this, centered on the page, is a light gray rectangular box containing the registration form. The form has two input fields: the first is labeled "Username" and the second is labeled "Password". Each input field has a small icon on its right side. Below the input fields are two blue buttons: "Login" on the left and "Register" on the right.



Adding employees

Select “add employee” on the page and then follow the prompts to add an employee, the process is similar to first time use.



Using the system

Adding boardrooms

Select “add boardroom” on the page then follow the prompts to add a boardroom.

Booking a boardroom

Select “book boardroom” on the page and follow the prompts to add a boardroom.

Booking System

<div>Boardroom</div> <div>Add a new BoardRoom.</div> <div>Add Boardroom</div>	<div>Bookings</div> <div>Make a booking at a specific date and time.</div> <div>Book</div>
<div>Employee</div> <div>Add a new Employee.</div> <div>Add Employee</div>	<div>Facial Recognition</div> <div>Authenticate with facial recognition</div> <div>Authenticate</div>

Facial Recognition

Select “facial recognition” on the page. This will take you to another page where you take a picture of yourself and save it. The process will then determine whether you are allowed in or not.



Troubleshooting

Forms

All input forms have validation, any input that does not follow the expected format will cause a popup message to be displayed stating how to fix the error.

Facial recognition

Make sure to be in front of the camera when doing facial detection, if you are not present when the detection is happening there may be an error.

To fix this error refresh the page.

If the facial detection software does not recognise you a popup will state that your face is not recognised. Should this happen when the system should recognise you, you can retry the detection process.