# **Verify Student Academic Records**

# **CIS 600 BlockChain and Cryptocurrencies**



## **Group Members:**

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#### **Steps to run the Project:**

- 1. Educational institute adds academic records for a student. For this they will follow below steps:
  - i. Open login.html file to login.
  - ii. Enter credentials for admin login.

```
e.g. username = "admin"
password = "admin"
```

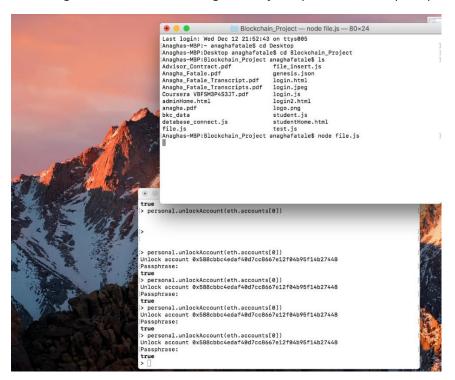
- iii. New page will open where you will have options to enter student first name, last name and upload the academic records for the student.
- iv. Enter these details and upload document and then click on submit.
- v. Certificate key will be created which can be used by others to access this file.
- 2. Student/another educational institute views the academic records added by educational institutes.
  - i. Open login.html file to login.
  - ii. Enter credentials for student/another educational institute login.

```
e.g. username = " student"
password == " student"
```

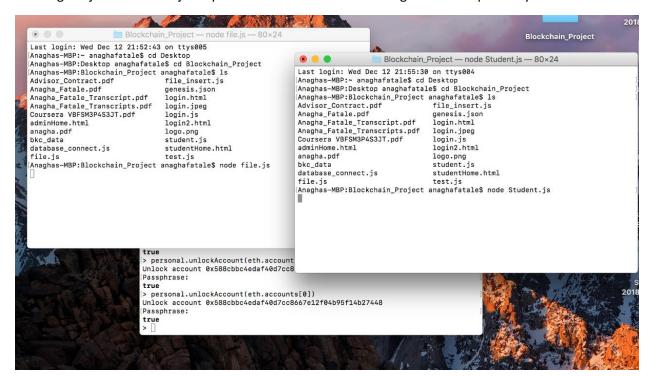
- vi. New page will open where you will have options to enter student first name, last name and certificate key for the document.
- vii. Enter these details and then click on submit.
- viii. The document will be available that can be downloaded.

#### **Screenshots:**

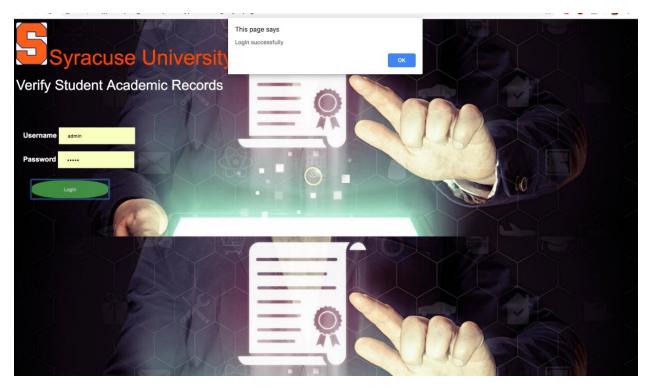
Unlocking the account and running the file.js script in command prompt:



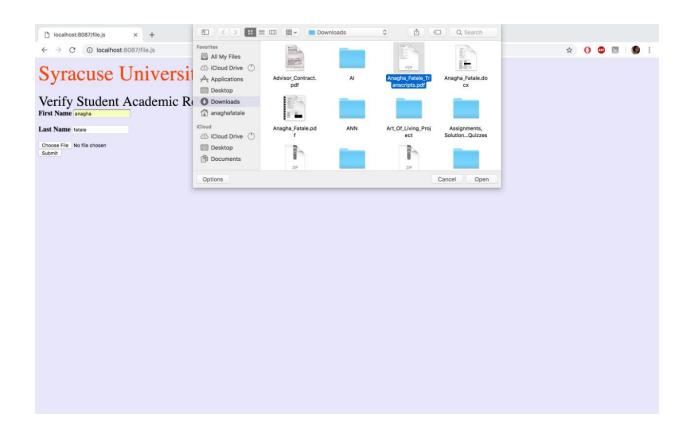
Running file.js and Student.js scripts to run admin and student login codes respectively:



# Login page. Login successful for admin:



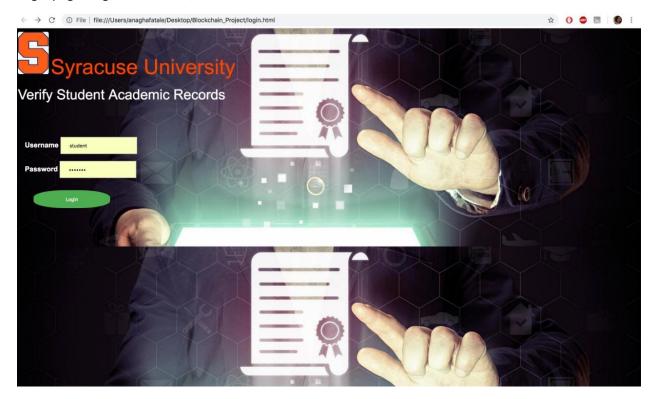
Uploading academic records for a student:



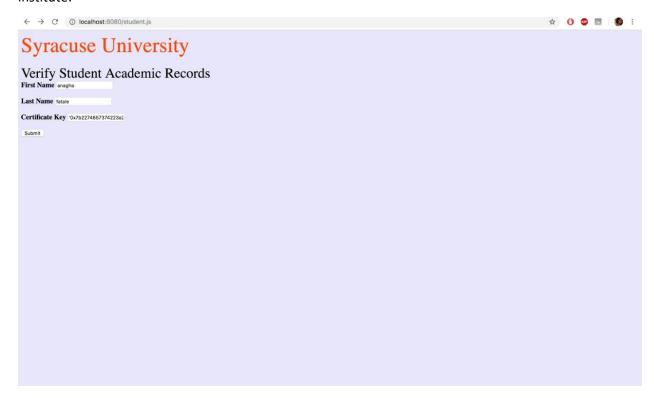
### Upload successful and certificate key generated:



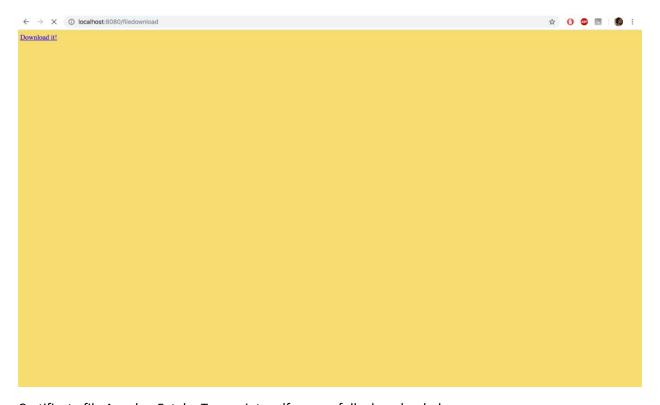
Login page. Login for student/another educational institute:



Entering first name, last name and certificate key for certificate file by student/another educational institute:



Downloadable certificate link for the academic record:

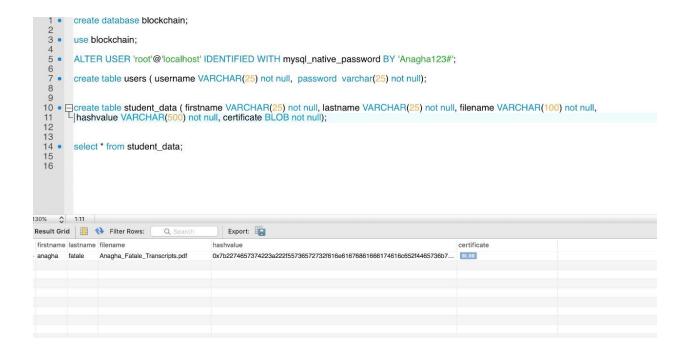


Certificate file Anagha\_Fatale\_Transcripts.pdf successfully downloaded:





Entry made in mysql database for file uploaded. File is saved certificate column as BLOB:



### Entry made in blockchain for certificate file uploaded by admin: