EduBlock

HSGamer

11/8/22

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## 8.1 Deliverable Package

### 8.1.1 Source Codes & Documents

| No. | Items | Sub-Items | Type | Version |
| --- | --- | --- | --- | --- |
| **Code package** |  |  |  |  |
| 1 | EduBlock | EduBlock Client | New | 1.0 |
| 2 | Blockchain Network | Blockchain Chaincode | New | 1.0 |
| 3 | OCR | Record Table Processor | New | 1.0 |
| **Database** |  |  |  |  |
| 1 | Tables | accounts.sql | New | 1.0 |
|  |  | classrooms.sql | New | 1.0 |
|  |  | subjects.sql | New | 1.0 |
| **Documents** |  |  |  |  |
| 1 | Requirement | SRS\_v1.0.docx | New | 1.0 |
| 2 | Deployment | UserGuide\_v1.0.docx | New | 1.0 |

### 8.1.2 Known Issues, Limitations & Restrictions

## 8.2 Installation Guides

### 8.2.1 System Requirements

OS: any

CPU: at least 4 cores

RAM: at least 4Gb

NETWORK: required

SOFTWARE: Docker

### 8.2.2 Setup Files

* Dockerfile.backend
* Dockerfile.frontend
* Dockerfile.ocr

### 8.2.3 Installation Instruction

## 8.3 User Manual

### 8.3.1 Terms & Definitions

| No. | Term | Definition |
| --- | --- | --- |
| 01 | F.FT | Feature |
| 02 | R.ADM | Admin |
| 03 | R.STF | Staff |
| 04 | R.TCH | Teacher |
| 05 | R.STD | Student |
| 06 | R.ANY | Any role |

### 8.3.2 System Requirements

OS: any

CPU: any

RAM: at least 1Gb

NETWORK: required

### 8.3.3 Application Usage

#### 8.3.3.1 Overview

| No. | Feature | Role | Note |
| --- | --- | --- | --- |
| 01 | Create new account | R.ADM |  |
| 02 | View account list | R.ADM, R.STF |  |
| 03 | View profile | R.ANY | Each role have different behavior |
| 04 | Update profile | R.ADM, R.STF | Each role have different behavior |
| 05 | Update password | R.ANY | Each role have different behavior |
| 06 | Create new classroom | R.STF |  |
| 07 | View classroom list | R.STF, R.TCH, R.STD | Each role have different behavior |
| 08 | View classroom information | R.STF, R.TCH, R.STD |  |
| 09 | View students of classroom | R.STF, R.TCH, R.STD |  |
| 10 | View teachers of classroom | R.STF, R.TCH, R.STD |  |
| 11 | Update classroom information | R.STF |  |
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| 14 | View update request list | R.TCH |  |
| 15 | Verify update request | R.TCH |  |
| 16 | Request update record | R.TCH, R.STD |  |

#### 8.3.3.2 Feature 01: Create new account

**Description:**

* Admin create account for other user usage

**Details:**

* R.ADM
  + Step 1: Click Account on the left navigation bar to navigate to account list page
  + Step 2: Click Create at the top left of the page to open a modal with form
  + Step 3: Input user First name, Last name and select a role for user
  + Step 4: (Optional) Click Add at the bottom left of the form to add more account and repeat from Step 1
  + Step 5: Click Create at the bottom right of the form to confirm the account creation

#### 8.3.3.3 Feature 02: View account list

**Description:**

* Admin, Staff view the account list to manage account information and find reference for other operations

**Details:**

* R.ADM
  + Step 1: Click Account on the left navigation bar to navigate to account list page
  + Step 2: (Optional) Click Search to reveal filter options below
  + Step 2.1: Select search field on the left
  + Step 2.2: Input search text on the right
  + Step 2.3: Click Search button at the right most to apply list filter
  + Step 3: View list of account
  + Step 4: (Optional) Click page number at the top right to view other accounts

#### 8.3.3.4 Feature 03: View profile

**Description:**

* Admin, Staff view user profile
* User view personal profile

**Details:**

* R.ANY (Personal)
  + Step 1: Click personal card at the bottom of the Vertical Navigation bar to navigate to the profile page
* R.ADM, R.STF
  + Step 1: Click Account on the left navigation bar to navigate to account list page
  + Step 2: Look for the specific account row in table
  + Step 3: Click Details in the Actions column to navigate to the profile page of that account

#### 8.3.3.5 Feature 04: Update profile

**Description:**

* Admin, Staff update personal profile
* Staff update Teacher, Student profile

**Details**

* R.ADM, R.STF (Personal)
  + Step 1: Click personal card at the bottom of the Vertical Navigation bar to navigate to the profile page
  + Step 2: Click Update in the profile section to open a modal with form
  + Step 3: Change the form data to desired value
  + Step 4: Click Confirm to save the changes.
* R.STF
  + Step 1: Click Account on the left navigation bar to navigate to account list page
  + Step 2: Look for the specific account row in table
  + Step 3: Click Update in the Actions column to open an update modal with form
  + Step 4: Change the form data to desired value
  + Step 5: Click Confirm to save the changes

#### 8.3.3.6 Feature 05: Update password

**Description:**

* Admin update other user password
* User self update password

**Details**

* R.ANY (Personal)
  + Step 1: Click personal card at the bottom of the Vertical Navigation bar to navigate to the profile page
  + Step 2: Click Update password at the top right of the page to open a modal with form
  + Step 3: Input the new password
  + Step 4: Click Confirm to save the new password
* R.ADM
  + Step 1: Click Account on the left navigation bar to navigate to account list page
  + Step 2: Look for the specific account row in table
  + Step 3: Click Update password in the Actions column to open an update modal with form
  + Step 4: Input the new password
  + Step 5: Click Confirm to save the new password

#### 8.3.3.7 Feature 06: Create new classroom

**Description:**

* Staff Create new classroom in the system

**Details**

* R.STF
  + Step 1: Click Classroom on the left navigation bar to navigate to classroom list page
  + Step 2: Click Create at the top left of the page to open a modal with form
  + Step 3: Change the form data to desired value
  + Step 4: Click Confirm at the bottom right of the modal to save the created classroom

#### 8.3.3.8 Feature 07: View classroom list

**Description:**

* Staff view the list of all the classroom in the system
* Teacher view the list of all the classroom being taught by that teacher
* Student view the list of all the classroom that student taking part in

**Details**

* R.STF
  + Step 1: Click Classroom on the left navigation bar to navigate to classroom list page
* R.TCH, R.STD
  + Step 1: The list of classroom is in the dashboard page

#### 8.3.3.9 Feature 08: View classroom information

**Description:**

* Staff view classroom information
* Teacher view information of the classroom being taught by that teacher
* Student view information of the classroom that student taking part in

**Details**

* R.STF
  + Step 1: Click Classroom on the left navigation bar to navigate to classroom list page
  + Step 2: Look for the specific classroom row in table
  + Step 3: Click Details in the Actions column to navigate to the classroom details page
* R.TCH, R.STD
  + Step 1: Click Dashboard on the left navigation bar to navigate to classroom list page
  + Step 2: Look for the specific classroom row in table
  + Step 3: Click Details in the Actions column to navigate to the classroom information page

#### 8.3.3.10 Feature 09: View students of classroom

**Description:**

* Staff view all the student in a specific classroom
* Teacher view all the student in the classroom being taught by that teacher
* Student view all the student in the classroom that student taking part in

**Details**

* R.STF, R.TCH, R.STD
  + Step 1: Follow Feature 08 to navigate to the classroom information page
  + Step 2: Click Student which is the center tab at the top of the page to navigate to student list of that classroom

#### 8.3.3.11 Feature 10: View teachers of classroom

**Description:**

* Staff view all the teacher in a specific classroom
* Teacher view all the teacher in the classroom being taught by that teacher
* Student view all the teacher in the classroom that student taking part in

**Details**

* R.STF, R.TCH, R.STD
  + Step 1: Follow Feature 08 to navigate to the classroom information page
  + Step 2: Click Teacher which is right most tab at the top of the page to navigate to teacher list of that classroom

#### 8.3.3.12 Feature 11: Update classroom information

**Description:**

* Staff update a specific classroom information

**Details**

* R.STF
  + Step 1: Follow Feature 08 to navigate to the classroom information page
  + Step 2: Click Details which is right most tab at the top of the page to navigate to details page of that classroom
  + Step 3: Click Update at the bottom of the page to open a modal with form
  + Step 4: Change the form data to desired value
  + Step 5: Click Confirm at the bottom of the modal to save changes

#### 8.3.3.13 Feature 12: Update student in classroom

**Description:**

* Staff change the student of a specific classroom

**Details**

* R.STF
  + Step 1: Follow Feature 09 to navigate to the classroom student page
  + Step 2: Look for a specific account row in the table (May skip to Step 4)
  + Step 3: Click Remove in the Actions column to remove student from classroom
  + Step 4: Click Add at the top left of the page to open a modal with form
  + Step 5: Change the form data to desired value
  + Step 6: Click Confirm at the bottom right of the modal to save changes

#### 8.3.3.14 Feature 13: Update teacher in classroom

**Description:**

* Staff change the teacher of a specific classroom

**Details**

* R.STF
  + Step 1: Follow Feature 10 to navigate to the classroom teacher page
  + Step 2: Look for a specific account row in the table (May skip to Step 4)
  + Step 3: Click Remove in the Actions column to remove teacher from classroom
  + Step 4: Click Add at the top left of the page to open a modal with form
  + Step 5: Change the form data to desired value
  + Step 6: Click Confirm at the bottom right of the modal to save changes

#### 8.3.3.15 Feature 14: View update request list

**Description:**

* Teacher view list of request for updating record value

**Details**

* R.TCH
  + Step 1: Click Request on the left navigation bar to navigate to request list page

#### 8.3.3.16 Feature 15: Verify update request

**Description:**

* Teacher verify request waiting for verification

**Details**

* R.TCH
  + Step 1: Follow Feature 14 to navigate to the request list page
  + Step 2: Look for the specific request row in table
  + Step 3: Click Approve or Reject to approve or reject the request

#### 8.3.3.17 Feature 16: Request update record

**Description:**

* Teacher or student of same classroom request updating record for that student

**Details**

* R.TCH
  + Step 1: Follow Feature 09 to navigate to student profile page
  + Step 2: Look for the record need update in the record table at the bottom of the page
  + Step 3: Click Update in the Actions column to open a modal with form
  + Step 4: Change the form data to desired value
  + Step 5: Click Confirm to send the request
* R.STD
  + Step 1: Click personal card at the bottom of the Vertical Navigation bar to navigate to the profile page
  + Step 2: Look for the record need update in the record table at the bottom of the page
  + Step 3: Click Update in the Actions column to open a modal with form
  + Step 4: Change the form data to desired value
  + Step 5: Click Confirm to send the request

### 8.3.4 Troubleshooting

# References

# Appendix