SEPT - Eclectus Team 9
By Josiah, Rhys, David and Dichen
GitHub: https://github.com/DichenHu/major-assignment
Jira: https://ahwm.atlassian.net/jira/software/projects/ROO/boards/1/backlog
CircleCI: https://app.circleci.com/pipelines/github/DichenHu/major-assignment

New User Stories / Functionalities

A number of user stories and functionalities have been completed / partially completed throughout Milestone 2.

These include:

- **Customer Account Creation** *(localhost:3000/register)*
  Accounts can now be created with details stored within a database: These include an email, username and password
- **Customer Login (***localhost:3000/login)*
  In addition to the above functionality customers can also login using created login details. Details upon login are checked against details stored in the database. This feature can be fully checked through PostMan where a successful login will be reflected with valid details and an error message for invalid details.
- **Customer PayPal API transaction (***localhost:3000/payment)*
  Although not entirely fleshed out, navigating to localhost:8080/paypal demonstrates the payment menu that will be fully integrated with the Book functions once completed. Clicking Paypal will link to a PayPal payment menu
- **Book List (***http://localhost:3000/account/soldbook)*
  Unfortunately issues with the back end prevented this function from being fully completed however there is presently a hardcoded display of books. Future changes will include having these books instead pulled from the database
- **Account Management Sidebar (http://localhost:3000/payment/mastercard)**
  Sidebar to facilitate future account management features
- **Database integration**
  Rather than relying on the h2console database a new database has been integrated without an API, for the purpose of milestone 2 we have implemented the code but have decided to keep it as a different file so that other aspects of the program can be tested with the working h2 console as SQL has not been enabled via amazon services
- **Dockerization / CircleCI integration**
  The app has been Dockerised and added to CircleCI in order to facilitate continuous integration.

New Feature URLs:

- *localhost:3000/register*
- *localhost:3000/login*
- *localhost:3000/payment*
- **localhost:3000/account/soldbook**
- **localhost:3000/payment/mastercard**

⌂ Paymentmethod ⌃

    Paypal

    Mastercard

👤 Account manage and book manage ⌃

    order history ⌄

    my account ⌃

    Cancel Account

    Forgert password

    Trend & Trend Lines

    Support & Resistance

    Elliot Wave Analysis ⌄

📈 Options

📄 Blog

New sidebar

Paypal

Pay with Paypal

Enter your email or mobile number to get started

Email or mobile number

Welcome using Paypal

PayPal

🗔

forget password?

Submit

Paypal payment page

Testing

User Acceptance Testing has been utilised in this Milestone, with each test displayed in an updated document.

Test #	Steps To Execute	Expected Result	Pass	Fail	Comments
USER STORY 1: Customer Account Creation					
1	Open browser	Home page displays without errors			Complete
2	Open home page				
3	Press create an account button	The account creation form is loaded			
4	Enter valid account details (with account type customer) and press create	A. The customers account is created and a confirmation is displayed to the customer B. The customers details are created and stored in the database			
USER STORY 11: Customer PayPal API transaction					
1	open API for Paypal	Page pop up without error			Needs further book implementations
2	Custer pay page link to API of PayPal	When link was success, the payment methods will pop up			
3	After Customer pay the money, they get transaction number, and a prove	The number pop out and customer jump to the prove page			

Except from the testing document

Passed steps are marked with a green box, and failed with a red box, with comments briefly discussing what needs to be fixed in order to match the definition of done.

9	Review current and previous transaction history	Rhys	medium	high	Not started	A customer can review current and
10	View the book cover and contents page	Rhys	high	low	PROGRESSED	A customer can view a PDF with the
11	Customer PayPal API transaction	dichen	medium	high	PROGRESSED	Customer will able to access the
12	Transaction by customer can be cancel at first 2 hours	dichen	low	medium	not started	The system will be able to access

The Product Backlog has additionally been updated to reflect completed features.

In addition to this, some react testing has been added, although not completely fleshed out at the present stage. This can be initiated through:
**npm test**
a

```
Test Suites: 4 failed, 4 total
Tests:       0 total
Snapshots:   1 file obsolete, 0 total
Time:        5.123s
Ran all test suites.
```

Unit Tests and Boundary Tests were decided to be left for the next Milestone

CircleCI
Config 1:

```
major-assignment > .circleci >  ! config.yml > {} jobs > {} build > [ ] steps > {} 2 >  run
        JSON schema for CircleCI configuration files (circleciconfig.json)
1   version: 2.1
2   jobs:
3     build:
4       docker:
5         - image: circleci/node:12.18.1
6       steps:
7         - checkout
8         - run: npm install --save
9         - run: npm start
```

Duration / Finished	Queued	Executor / Resource Class	Branch	Commit	Author & Message
21s / 11s ago	0s	Docker / Medium	main	b1bd45b	added circleCI

STEPS   **TESTS**   **ARTIFACTS**

1 / 4 parallel runs

▸ ✔ Spin up environment   16s
▸ ✔ Preparing environment variables   0s
▸ ✔ Checkout code   3s
▸ ✔ npm install --save   0s
▾ ⊘ npm start   0s

```
1   #!/bin/bash -eo pipefail
2   npm start
3
4   npm ERR! code ENOENT
5   npm ERR! syscall open
6   npm ERR! path /home/circleci/project/package.json
7   npm ERR! errno -2
8   npm ERR! enoent ENOENT: no such file or directory, open '/home/circleci/project/package.json'
9   npm ERR! enoent This is related to npm not being able to find a file.
10  npm ERR! enoent
11
12  npm ERR! A complete log of this run can be found in:
13  npm ERR!     /home/circleci/.npm/_logs/2021-09-18T12_06_15_913Z-debug.log
14
15  Exited with code exit status 254
16  CircleCI received exit code 254
```

major-assignment > .circleci > ! config.yml > {} jobs > {} build > [ ] steps

JSON schema for CircleCI configuration files (circleciconfig.json)

```yaml
1   version: 2.1
2   jobs:
3     build:
4       working_directory: ~/major-assignment/FrontEnd/myfirstapp
5       docker:
6         - image: circleci/node:12.18.1
7       steps:
8         - checkout:
9             path: ~/major-assignment
10        - run: ls
11        - run: pwd
12        - run: npm install --save
13        - run: npm start
14
```

⊙ **build** ✅ Success   ⟳ Rerun ▾   ⋯

Duration / Finished	Queued	Executor / Resource Class	Branch	Commit	Author & Message
⏱ 2m 47s / 17s ago	⧗ 0s	🐳 Docker / Medium ↗ ⓘ	⌐ main	◦ ab0c240	🟣 testing

STEPS   TESTS ●   ARTIFACTS ●

🔲 1 / 4 parallel runs ⓘ

▸ ✅ Spin up environment	1m 25s	☐ ⤓
▸ ✅ Preparing environment variables	0s	☐ ⤓
▸ ✅ Checkout code	4s	☐ ⤓
▸ ✅ ls	0s	☐ ⤓
▸ ✅ pwd	0s	☐ ⤓
▸ ✅ npm install --save	1m 13s	☐ ⤓
▸ ✅ npm start	4s	☐ ⤓

JSON schema for CircleCI configuration files (circleciconfig.json)

```
1  version: 2.1
2  jobs:
3    buildFront:
4      working_directory: ~/major-assignment/FrontEnd/myfirstapp
5      docker:
6        - image: circleci/node:12.18.1
7      steps:
8        - checkout:
9            path: ~/major-assignment
10       - run: ls
11       - run: pwd
12       - run: npm install --save
13       - run: npm start
14   buildBack:
15     working_directory: ~/major-assignment/BackEnd/loginmicroservices
16     docker:
17       - image: circleci/openjdk:stretch
18     steps:
19       - checkout:
20           path: ~/major-assignment
21       - run: ./mvnw package && java -jar target/ms_[microservice]-0.0.1-SNAPSHOT.jar
22 workflows:
23   version: 2
24   build_and_test:
25     jobs:
26       - buildFront
27       - buildBack
```

1 / 4 parallel runs ⓘ

▸ ✓ Spin up environment	1m 55s	⤓
▸ ✓ Preparing environment variables	0s	⤓
▸ ✓ Checkout code	4s	⤓
▾ ❗ ./mvnw package && java -jar target/ms_[microservice]-0.0.1-SNAPSHOT.jar	0s	⤓

```
1  #!/bin/bash -eo pipefail
2  ./mvnw package && java -jar target/ms_[microservice]-0.0.1-SNAPSHOT.jar
3  /bin/bash: ./mvnw: Permission denied
4
5  Exited with code exit status 126
6  CircleCI received exit code 126
```

Percentage of contributions:

David Atanasov: 25%

Josiah Webster: 25%

Dichen Hu: 25%

Rhys Mallia: 25%

Contributions

Front end dev:

Dichen, David

Back end dev:

Josiah, Rhys

CircleCI integration:

Josiah, dichen, Rhys

User acceptance testing:

Josiah

Product backlog update:

Josiah

React test cases:

Dichen

Dockerization:

Josiah, Rhys

MySQL integration:

Rhys

Active communications:

Whole Group

Jira utilization:

Whole group

Github:

Dichen Hu

Rhys Mallia

Josiah

Scrum:

Rhys Mallia