

# Report (Candidate no: 244851)

## 1) Web layer

- Users can view all their transaction (fully implemented)
- Make direct payment to registered users (fully implemented)
- Request payments from registered users (fully implemented)
- Admins can view all user accounts and balances, view all payment transactions, register more admins (all fully implemented)

## 2) Business layer

- Users can view all their transaction (fully implemented)
- Make direct payment to registered users (fully implemented)
- Request payments from registered users (fully implemented)
- Admins can view all user accounts and balances, view all payment transactions, register more admins (all fully implemented)

## 3) Data persistence layer (fully implemented)

## 4) Security layer (fully implemented)

## 5) Web Services (partially implemented) – The REST Application works independently and can do the conversions but couldn't make it work in the ejb, it shows 404 error

Path to test REST is

[http://localhost:10000/webapps2022/myrestapi/MyRestServiceClass/conversion/{currency1}/{currency2}/{amount\\_of\\_currency1}](http://localhost:10000/webapps2022/myrestapi/MyRestServiceClass/conversion/{currency1}/{currency2}/{amount_of_currency1})

Choice of currencies are “GBPounds”, “USDollars” and “Euros”

The screenshot displays the ARC application interface. On the left, a sidebar shows a list of HTTP requests under the 'HTTP request' tab. The main panel is titled 'Request' and shows a GET request to the host 'http://localhost:10000'. The path is '/webapps2022/myrestapi/MyRestServiceClass/conversion/GBPounds/Euros/20.0'. The response status is '200 OK' with a response time of '49.20 ms'. The response body is a JSON object: 

```
{  "amount_of_currency": 20,  "currency1": "GBPounds",  "currency2": "Euros",  "result": 23.599999999999998}
```

. The bottom status bar indicates 'Selected environment: Default'.

**6) Thrift – Not implemented**

**7) Deployment on the cloud – Done** (The Screenshots for the cloud deployment is given seperately)

User manual is given as a separate video file