Work Plan (high level)

1. Create Customer endpoints – Lab 6

CustomerAPI.class

* @RestController
* @RequestMapping(“/….”)
* @Autowired CustomersRepository

APIClientCustomersDAO

@GetMapping

GET – list of events

@PutMapping

PUT – Name in to register for event

@PostMapping

POST – Update info

2. Test Customer endpoints Test.Class

Junit Test

3. Create Authentication API’s token endpoint -Lab 8Use Spring-Security

application.properties

4. Test token endpoint Run app and log in

5. Secure the Data API service with filter that checks for JWT tokens

6. Get token and test Customer endpoints including token

7. Test APIs using the React client application

Components

Tomcat Servlet

CustomerController

CustomerService

CustomerDAO

CustomerDAODatabaseImpl

Customer Repository

Customer

Work Plan (task backlog)• Create local git repos foro Data API Codeo Auth API Code• Implement Data API’s root endpoint• Implement the Data API’s Customer GET endpoint • Test created endpoints with postman REST tool• Implement PUT, POST and DELETE Customer API endpoints• Test created endpoints with Postman• Test customer endpoints using React client• Implement Events and Registrations endpoints • Test created endpoints with Postman• Test created endpoints using React client• Create Authentication API• Implement token endpoint• Test token endpoint using postman• Test token endpoint using React client (the client’s login function uses the token endpoint)• Add authentication filter to the Data API to require a JWT token to access services• Try accessing Data API with authentication filter in place using Postman

• Test login and access to customers, events and registrations records using the react client