Dhirubhai Ambani Institute of Information and Communication Technology

Software Engineering (IT314)

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Lab 8
Group submission (Grp-2)

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Choosing the module Writing the tests Our Learnings

code tested:

POST method of user login API,
POST method of organizer login API
GET method in Home page API

Home

```
exports.home = async(req, res) =>{
  // res.send("Hii...")
  res.status(200).send({success:true})
}
```

User login

```
exports.user_login = async(req, res) =>{

  const username_ = req.params.username;

  userdb.findOne({ username: username_ })
    .then(data => {
      if (!data) {
        res.status(400).send({ message: `May be user not found` })


      }
      else {
        // res.status(200).send(data)
        res.status(200).send({success: true})
      }
    })
    .catch(err => {
      res.status(500).send({ message: "Error update user information" })
    })
}
```

Organizer login

```javascript
exports.organizer_login = async(req, res) =>{

  const username_ = req.params.username;

  organizerdb.findOne({ username: username_ })
    .then(data => {
      if (!data) {
        res.status(404).send({ message: `May be user not found` })

      }
      else {
        // res.send(data)
        res.status(200).send({ success: true })
      }
    })
    .catch(err => {
      res.status(500).send({ message: "Error update user information" })
    })
}
```

- Codes are tested using Mocha.js and Chai Assert library. For backend in Node.js

Test.js

Test Cases:

```javascript
const chai = require('chai');
const expect = chai.expect;
const chaiHttp = require('chai-http');
const app = require('../server'); // Your backend app file

chai.use(chaiHttp);

describe('http://localhost:5000', () => {
  describe('GET /', () => {
    it('should return a 200 status code and a JSON object', async () => {
      const res = await chai.request(app).get('/');
      expect(res).to.have.status(200);
      expect(res.body).to.be.an('object');
    });

    it('should return the expected response', async () => {
      const res = await chai.request(app).get('/');
      expect(res.body).to.deep.equal({success:true});
    });
  });


describe('POST /api/user_login/meet', () => {
    it('should return a 200 status code and a JSON object', async () => {
      const res = await chai.request(app)
        .post('/api/user_login/meet')
        .send({"username":"meet","password":"123"});
      expect(res).to.have.status(200);
      expect(res.body).to.be.an('object');
    });

    it('should return the expected response', async () => {
      const res = await chai.request(app)
        .post('/api/user_login/meet')

.send({"_id":{"$oid":"642d1193e514248d4b43a12c"},"username":"meet","email":"123@gmail.com","password":"123","phone_no":"1234567810","gender":"male","__v":{"$numberInt":"0"}});
      expect(res.body).to.deep.equal({ success: true });
```

```javascript
    });
  });



describe('POST /api/organizer_login/hil', () => {
  it('should return a 200 status code and a JSON object', async () => {
    const res = await chai.request(app)
      .post('/api/organizer_login/hil')
      .send({"username":"hil","password":"123"});
    expect(res).to.have.status(200);
    expect(res.body).to.be.an('object');
  });

  it('should return the expected response', async () => {
    const res = await chai.request(app)
      .post('/api/organizer_login/hil')

.send({"_id":{"$oid":"644034e880b4e813ca23ef29"},"username":"hil","email":"123@gmail.com","password":"
123","phone_no":"1234567890","gender":"male","__v":{"$numberInt":"0"}});
    expect(res.body).to.deep.equal({ success: true });
  });
 });


});
```

Output of test cases:

```
DEBUG CONSOLE    PROBLEMS    OUTPUT    TERMINAL

    GET /
      ✓ should return a 200 status code and a JSON object (95ms)
      ✓ should return the expected response
    POST /api/user_login/meet
MongoDB Connected: ac-fwvsirx-shard-00-02.jazg5jf.mongodb.net
      ✓ should return a 200 status code and a JSON object (409ms)
      ✓ should return the expected response (106ms)
    POST /api/organizer_login/hil
      ✓ should return a 200 status code and a JSON object (43ms)
      ✓ should return the expected response


  6 passing (713ms)
```