



## **Program Assignment – Part1**

**Roa Alnader**

## Environment

- Front-end: React
- Back-end: Node.js & MySQL

## The important parts of the code:

- Registration validation

```
const validate = (values) => {
  const errors = {};
  const regex = /^[^\s@]+@[^\s@]+\.[^\s@]{2,}$/i;

  if (!values.fname) {
    errors.fname = "First name is required!";
  }
  if (!values.lname) {
    errors.lname = "Last name is required!";
  }
  if (!values.email) {
    errors.email = "Email is required!";
  } else if (!regex.test(values.email)) {
    errors.email = "This is not a valid email format!";
  }
  if (!values.birthdate) {
    errors.birthdate = "Birthdate is required!";
  }
  if (!values.photo) {
    errors.photo = "You must upload a picture ";
  }
  if (!values.password) {
    errors.password = "Password is required";
  }
  if ( !(values.password === values.conPassword)) {
    errors.password = "The passwords are not match";
  }
  return errors;
};
```

## - Login validation

```
app.post("/api/post", (req,res)=> {
  const email = req.body.email;
  const pass = md5(req.body.password); // ** encrapt the pss by using md5 function for security reasons **
  console.log(" what req??")
  console.log(email);
  console.log(pass);
  const stm = "SELECT id FROM users where email=? and password=?";
  db.query(stm,[email, pass], (err,result) => {
    //console.log("resuuuult!!");
    console.log("what result??", result);
    console.log("what id?? ");
    if(result !== ""){
      res.send(result); // if the user found with entered email&pass then send the user id
    }
  });
});
```

```
const submitForm = () => {
  Axios.post('http://localhost:3001/api/post',{email:formValues.email , password:formValues.password} ).then((response) => {
    console.log("login what the res?",response.data)
    if(response.data !== ""){
      setUserID(response.data.map(({ id }) => id));
      console.log("inside successful");
      /*<Navigate to="/GraduateProgramPage"/>*/
      window.location.href = '/GraduateProgramPage';
    } else { setFormErrors("invalid email or password") }
  });
};
```

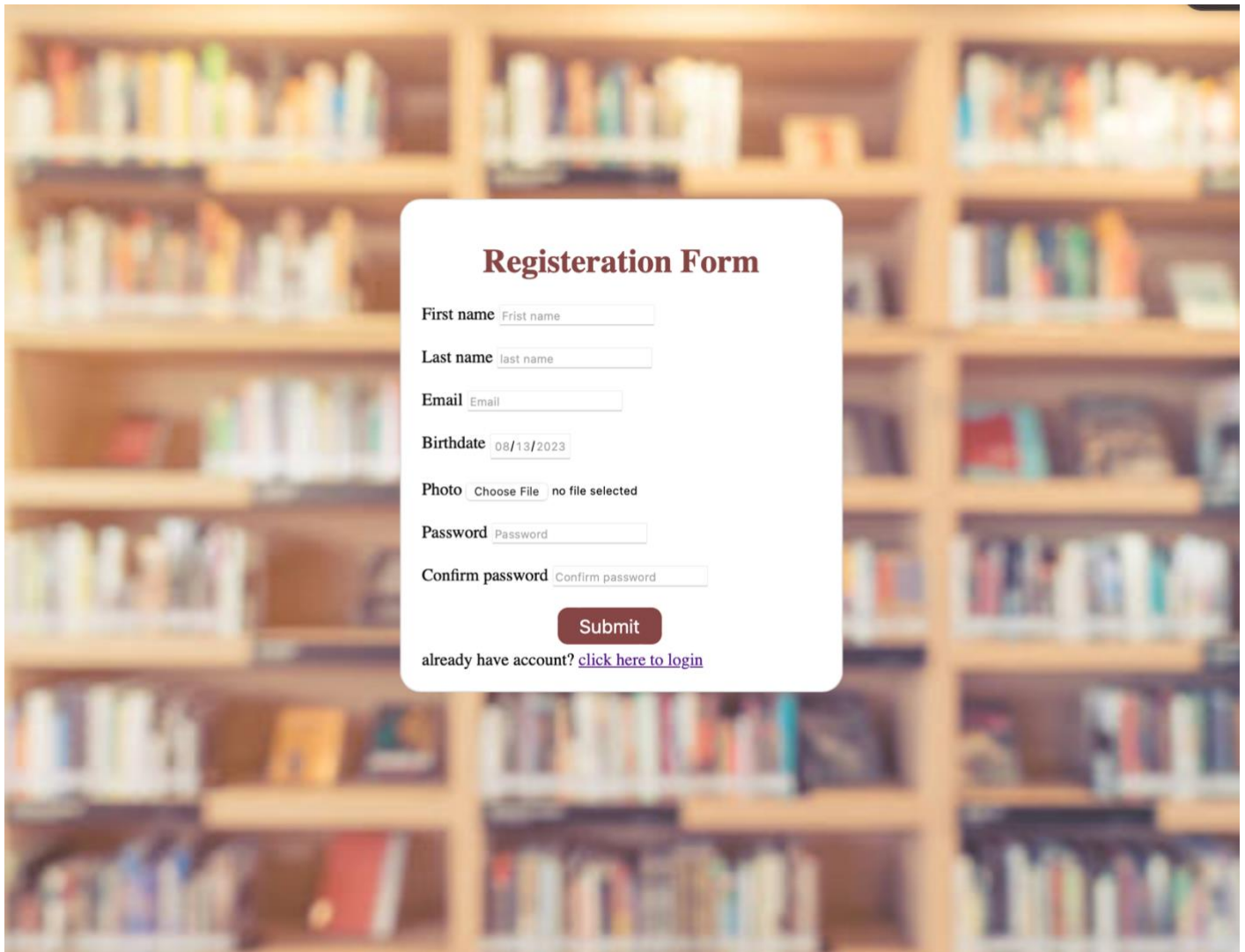
- Insert user data to the Database.

```
app.post("/api/insert", (req,res)=> {  
  const fname = req.body.fname;  
  const lname = req.body.lname;  
  const email = req.body.email;  
  const birthdate = req.body.birthdate;  
  const photo = req.body.photo;  
  var password = md5(req.body.password); /* hash function for security reasons */  
  
  const stm= "insert into users (fname, lname, email, birthdate, img, password) values (?,?,?,?,?,?)";  
  db.query(stm , [fname, lname , email, birthdate, photo, password] , (err,result) => {  
    console.log(err);  
  })  
});
```

- Retrieve the user data from Database.

```
app.post( "/api/getProfileInfo", (req,res)=> {  
  const id = req.body.id;  
  
  console.log("final what id?",id);  
  
  //const sqlSelect= "SELECT * FROM users where email=? and password=?";  
  const sqlSelect= "SELECT fname, lname, img, level, program, division FROM users where id=?";  
  db.query(sqlSelect,id , (err,result) => {  
    //console.log("Final resuuuult !!", result);  
    //console.log(result);  
    res.send(result);  
  });  
});
```

## - Registration Page Interface

The image shows a registration form overlay on a blurred background of a library with wooden bookshelves filled with books. The form is titled "Registration Form" in a bold, dark red font. It contains several input fields for user information: "First name" with placeholder text "Frist name", "Last name" with placeholder text "last name", "Email" with placeholder text "Email", and "Birthdate" with a date picker showing "08/13/2023". There is a "Photo" section with a "Choose File" button and the text "no file selected". Below these are "Password" and "Confirm password" fields, both with placeholder text. A dark red "Submit" button is positioned below the password fields. At the bottom of the form, there is a link that says "already have account? [click here to login](#)".

**Registration Form**

First name

Last name

Email

Birthdate

Photo  no file selected

Password

Confirm password

already have account? [click here to login](#)