Webapp flow: login, register

User	Browser	client.js (inside Browser)	Server JS (node)	Database JS	PostgresSQL DB

User → Browser: url of app (https://app.com/)

Browser → Server JS: http GET / request to app.com

alt [unauthenticated user]

Server JS ⇢ Browser: login_register.html (ejs) since no userId

User → Browser: enter email, password

Browser → Server JS: POST /login params{email, password}

Server JS → Database JS: getUserForEmail(email)

Database JS → PostgresSQL DB: SELECT * FROM users WHERE email={email} ;

alt [unregistered user]

PostgresSQL DB ⇢ Database JS: no result

Database JS ⇢ Server JS: no user

Server JS ⇢ Browser: redirect /register

User → Browser: Name, email, password

Browser → Server JS: POST /register {params}

Server JS → Database JS: createNewUser({user})

Database JS → PostgresSQL DB: INSERT INTO users VALUES(name, email, password) RETURNING * ;

PostgresSQL DB ⇢ Database JS: results

Database JS ⇢ Server JS: {user}

Server JS ⇢ Browser: user registered, render index.html

[registered user]

PostgresSQL DB ⇢ Database JS: results

Database JS ⇢ Server JS: results.rows[0] i.e. {user}

Server JS → Server JS: authenticate assword with bcrypt()

[authenticated user]

Server JS ⇢ Browser: index.html

Browser → Browser: render/show index.html download all <link/> items

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