## WEB PROGRAMMING Practice M7

1. Browser: Safari, Version 14.0

2. Operating system and Computer Architecture:

## **System Software Overview:** System Version: macOS 10.15.7 (19H2) Kernel Version: Darwin 19.6.0 **Hardware Overview:** Model Name: MacBook Air Model Identifier: MacBookAir8,2 Processor Name: Duai-Core Intel Core i5 Processor Speed: 1.6 GHz Number of Processors: **Total Number of Cores:** 2 L2 Cache (per Core): 256 KB L3 Cache: 4 MB 8 GB Memory:

- 3. How AJAX helps your web application:
  - a. Make the browser's performance faster browsing speed and providing a responsive user experience
  - b. object-oriented helper functions that can improve productivity
  - c. Compatibility, it can be compatible with ASP.NET, J2EE, PHP, or any languages
- 4. Additional features:
  - a. Add buttons in ContactView.tsx

b. Add view in BaseLayout.tsx

```
{ (this.state.currentView === "contact" || this.state.currentView === "contactAdd" || this.state.currentView === "contactUpdate" ) && | <ContactView state={ this.state } /> /* change for new state.currentView*/
```

c. Contact.tsx

```
//Additional function
public async saveUpdateContact(inID:string, inName:string, inEmail:string): Promise<void> {
   console.log("In client: Contacts.Worker.updateContact()", inID);
   await axios.post(`${config.serverAddress}/contacts/${inID}`, {name: inName, email: inEmail});
}
```

d. State.tsx

```
///Additional functional
///
///*
updateContact : async function(): Promise<void> {

console.log("state.saveUpdate()", this.state.contactID);
//Save to server
this.state.showHidePleaseWait(true);
const contactsWorker: Contacts.Worker = new Contacts.Worker();
await contactsWorker.saveUpdateContact(this.state.contactID, this.state.contactName, this.state.contactEmail);
this.state.showHidePleaseWait(false);
const cl = this.state.contacts.slice(0);
//update contacts list
cl.map(async yalue =>{
    if(value._id == this.state.contactID){{
        value.name = this.state.contactIDnet
        value.email = this.state.contactEmail;
    }
    );
//Update state
this.setState({ contacts : cl, contactID : null, contactName : "", contactEmail : "" });
}.bind(inParentComponent),
```

e.