**Date: 5 Nov 2022(Saturday)**

| 8PM - 9.30PM (DXB Time)  Non - Technical  1. Imposter Syndrome  2. Dunning–Kruger effect  3. Rubber duck debugging  Technical  1. NVM  2. Setting up a React Project  3. React JSX  4. React Components  5. React Props  6. React State |
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use nvm to install npm to switch between versions

Installing create-react-app

globally install using npm

otherwise use npx-work only in the new version

package.json

package.lock.json-more detail

The public folder contains HTML page - index.html

Single page application -

React eject

A component will have js, css, test file

Install extensions for react in

React JSX - JavaScript XML

Curly brace - javascript

props and state

Components to component data transfer -

**Date: 6 Nov 2022(Sunday)**

| 10AM - 11.00AM (DXB Time)  Non - Technical  1. Rubber Duck Debugging  Technical  1. Git local and remote repository  2. SSH key setup  3. git remote -v  4. git remote add live-origin  5. git add  6. git commit  7. fork repository  8. clone repository  9. git merge  10. git pull  11. git diff  12. gitignore.io  13. Open source collaboration using git |
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**Date: 12 Nov 2022(Saturday)**

| 3.30PM - 05.00PM (DXB Time)  Technical  1. React Story Book  2. Yarn package manager  3. CSS styling in React  4. Components parent - child data sharing  5. Child - parent communication  6. Common Errors  7. A sample form project |
| --- |

Story book is used for component level checking for reusing component

**npx storybook init**

**npm run storybook**

Yarn is a package manger by facebook

Npm install yarn

Package-lock.json becomes yarn-lock.json

React developer tools - Chrome extension - components and profiler

Passing data from parent to child - Using props

Passing data from child to parent - define a function in pass it to child as prop and call it form child

**Date: 13 Nov 2022(Sunday)**

| 3.30PM - 05.15PM (DXB Time)  Technical  1. Bitbucket  2. Remote and local repository concept  3. git init  4. git init --initial-branch=main  5. git config --global user.name "Shahid"  6. git config --global user.email "shahid@e.com"  7. git add file.txt  8. git commit -am "FIX: bug resolved"  9. git commit file.txt  10. git commit file.txt -m "FIX: bug resolved"  11. git reset --soft  12. git reset --hard  13. git reset --staged  14. git rm file.txt  15. git mv file.txt file-renamed.txt  16. git branch --all  17. git branch -d main  18. git switch main  19. git checkout -- .  20. git checkout -b main  21. git log  22. git show <commitid> --name-only  23. git show <commitid>  24. git diff  25. git status  26. git diff main dev  27. git merge dev  28. git config --globbal core.editor "code -w"  29. git log --abbrev-commit  30. git log --pretty=oneline --abbrev-commit  31. git log --oneline  32. git log --oneline --all --graph  33. git branch -m main  34. git diff <merge ids>  35. git restore <filename>  36. git restore --staged <filename>  37. git commit --amend -m "Modified commit message"  38. git branch -m <newbranchname>  39. git branch -m <currntbranchname> <newbranchname>  40. git reset <commitid>  41. git reset HEAD~1 |
| --- |

Use this app to learn git

<https://play.google.com/store/apps/details?id=com.sololearn>

Creaate a git repo in local machine

**git init --initial –branch=main**

Show remote origin for fetch and push

**git remote -v**

Create a git branch

**git branch <branch\_name>**

Show structure of git branches

**git log --graph**

**git checkout -b <branch\_name>**

**git checkout -b feature/login**

Save our work safely without committing to the repo

**git stash**

Take the stashed file back.

**git stash pop**

Delete branch

**git branch -d <branch\_name>**

Usually backend and UI will be in different repo. There will be branches for main, QA, development and features

**git merge <branch\_name>**

Find the difference between branch/ commit/merge

**git diff <branch1> <branch1>**

**git restore –staged**

**git restore <file\_name>**

**git checkout -- .**

**git log <commit\_id>**

There are two types of reset. Hard and soft. Hard reset deletes the commit. Soft reset removes the changes temporarily. We can get it back.

**git reset <commit\_jd> --soft**

**git reset <commit\_jd> --hard**

Renamig a git file

**git mv <old\_file\_name> <new\_file\_name>**

Modify commit message

**Git commit --amend -m “new message”**

Rename git branch

**git branch -m <old\_branch> <new\_branch>**

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Apples-MacBook-Air:learn-react-app apple$ ssh-keygen -t rsa -b 2048 -C "monish-mac"

ac"-keygen -t rsa -b 2048 -C "monish-m

Generating public/private rsa key pair.

Enter file in which to save the key (/Users/apple/.ssh/id\_rsa):

Created directory '/Users/apple/.ssh'.

Enter passphrase (empty for no passphrase):

Enter same passphrase again:

Your identification has been saved in /Users/apple/.ssh/id\_rsa.

Your public key has been saved in /Users/apple/.ssh/id\_rsa.pub.

The key fingerprint is:

SHA256:UJIfQey3SpwtWm9H6CEFtzycx3GjAMr7ohRdmdfe1P0 monish-mac

The key's randomart image is:

+---[RSA 2048]----+

| .+=o |

| ..++oo.. o..|

| +o+\*.=.+..o|

| . +o.O.+o .|

| . o.S= =. . E|

| . .B = . |

| . .+.\* o |

| . .... + . |

| . . . |

+----[SHA256]-----+

Apples-MacBook-Air:learn-react-app apple$ cat /Users/apple/.ssh/id\_rsa.pub

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQC6WwhBSBk1c1BMlUE2g/HXyzGDMuV99Cmo6PHOJwrLhEkeezbyt9/Nhc5FpVvPah+yOrgDJo9tIdTG6UY3Y/JmaCQ2fmFuKnYTwgitPSbiUklPmImE+8vUWEiS5/NCBJGEFYMYbw0NdrOhVtYDV8E0EGFOMIOYxFOUzMZIKareuXbfCGHeuS1zPGDyEktCwyKW35tZuxFG2muGJb0aILxUhLnDHEwrRf9kwOv5m/Ek4RkGdPnGZ95WEaPTS6bSIBQoF0mNvpR2zGVIdhcSm9WtXxwHEstJzu7PAmLOIL1PVg2i3jUeNO48ACJS62UPNeJsdoYW7xFNcIbfyOdZAJPD monish-mac

Apples-MacBook-Air:learn-react-app apple$ ls

README.md package-lock.json public

node\_modules package.json src

Apples-MacBook-Air:learn-react-app apple$ pwd

/React/learn-react-app

Apples-MacBook-Air:learn-react-app apple$ git init

Reinitialized existing Git repository in /React/learn-react-app/.git/

Apples-MacBook-Air:learn-react-app apple$ git clone git@github.com:cybersquare/react-test.git

Cloning into 'react-test'...

The authenticity of host 'github.com (20.207.73.82)' can't be established.

ECDSA key fingerprint is SHA256:p2QAMXNIC1TJYWeIOttrVc98/R1BUFWu3/LiyKgUfQM.

Are you sure you want to continue connecting (yes/no)? y

Please type 'yes' or 'no': yes

Warning: Permanently added 'github.com,20.207.73.82' (ECDSA) to the list of known hosts.

Enter passphrase for key '/Users/apple/.ssh/id\_rsa':

warning: You appear to have cloned an empty repository.

Apples-MacBook-Air:learn-react-app apple$ ls

README.md package.json src

node\_modules public

package-lock.json react-test

Apples-MacBook-Air:learn-react-app apple$ cd react-test/

Apples-MacBook-Air:react-test apple$ npm install

npm WARN deprecated stable@0.1.8: Modern JS already guarantees Array#sort() is a stable sort, so this library is deprecated. See the compatibility table on MDN: https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\_Objects/Array/sort#browser\_compatibility

npm WARN deprecated w3c-hr-time@1.0.2: Use your platform's native performance.now() and performance.timeOrigin.

npm WARN deprecated svgo@1.3.2: This SVGO version is no longer supported. Upgrade to v2.x.x.

added 1465 packages, and audited 1466 packages in 52s

225 packages are looking for funding

run `npm fund` for details

6 high severity vulnerabilities

To address all issues (including breaking changes), run:

npm audit fix --force

Run `npm audit` for details.

Apples-MacBook-Air:react-test apple$ git add -A

Apples-MacBook-Air:react-test apple$ git commit -am "first commit"

[master (root-commit) 34ddada] first commit

Committer: Apple <apple@Apples-MacBook-Air.local>

Your name and email address were configured automatically based

on your username and hostname. Please check that they are accurate.

You can suppress this message by setting them explicitly. Run the

following command and follow the instructions in your editor to edit

your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

20 files changed, 29425 insertions(+)

create mode 100644 .gitignore

create mode 100644 README.md

create mode 100644 package-lock.json

create mode 100644 package.json

create mode 100644 public/favicon.ico

create mode 100644 public/index.html

create mode 100644 public/logo192.png

create mode 100644 public/logo512.png

create mode 100644 public/manifest.json

create mode 100644 public/robots.txt

create mode 100644 src/App.css

create mode 100644 src/App.js

create mode 100644 src/App.test.js

create mode 100644 src/CyberSuqre.js

create mode 100644 src/Search.js

create mode 100644 src/index.css

create mode 100644 src/index.js

create mode 100644 src/logo.svg

create mode 100644 src/reportWebVitals.js

create mode 100644 src/setupTests.js

Apples-MacBook-Air:react-test apple$ git push

Enter passphrase for key '/Users/apple/.ssh/id\_rsa':

Counting objects: 24, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (24/24), done.

Writing objects: 100% (24/24), 305.77 KiB | 1.48 MiB/s, done.

Total 24 (delta 0), reused 0 (delta 0)

To github.com:cybersquare/react-test.git

\* [new branch] master -> master

Apples-MacBook-Air:react-test apple$