[109-1][RF][06] Robofriends -- Deploy to GitHub Pages

Preparation:
=> create a new Github repository, "`username-1091-id-robofriends`"
=> In git bash, type `git clone git-repo-url` to download the the repository
=> copy robofriends files over to the directory of this repository

Ref:
https://create-react-app.dev/docs/deployment/#github-pages

Step 1; Add homepage to package.json

```
// package.json

{
  "name": "Robofriends",
  "homepage": "https://htchung.github.io/1091-id-robofriends",
  "version": "0.1.0",
  "private": true,
......
}
```

Step 2: install gh-pages and add deploy to scripts in package.json

```
$ npm install --save gh-pages
```

```
// package.json

{
  "name": "Robofriends",
  "homepage": "https://htchung.github.io/robofriends",
  "version": "0.1.0",
  "private": true,
  "dependencies": {
    "@testing-library/jest-dom": "^4.2.4",
    "@testing-library/react": "^9.4.0",
```

```
      "@testing-library/user-event": "^7.2.1",
      "gh-pages": "^3.1.0",
      "react": "^16.12.0",
      "react-dom": "^16.12.0",
      "react-scripts": "3.3.0",
      "tachyons": "^4.11.1"
    },
    "scripts": {
      "start": "react-scripts start",
      "build": "react-scripts build",
      "test": "react-scripts test",
      "eject": "react-scripts eject",
      "predeploy": "npm run build",
      "deploy": "gh-pages -d build"
    },
    "eslintConfig": {
      "extends": "react-app"
    },
    "browserslist": {
      "production": [
        ">0.2%",
        "not dead",
        "not op_mini all"
      ],
      "development": [
        "last 1 chrome version",
        "last 1 firefox version",
        "last 1 safari version"
      ]
    }
}
```

=> Step 3: Deploy the site by running npm run deploy

```
$ npm run deploy

> robofriends@0.1.0 predeploy C:\Users\htc\Documents\tku\109-1\2N-wp1\demo\1091-id-
robofriends
> npm run build

> robofriends@0.1.0 build C:\Users\htc\Documents\tku\109-1\2N-wp1\demo\1091-id-
robofriends
> react-scripts build

Creating an optimized production build...
Compiled with warnings.

./src/containers/App.js
  Line 30:37:  Expected '===' and instead saw '=='  eqeqeq

Search for the keywords to learn more about each warning.
To ignore, add // eslint-disable-next-line to the line before.

File sizes after gzip:

  39.88 KB  build\static\js\2.e7e24cc0.chunk.js
  12.81 KB  build\static\css\2.3c03f26f.chunk.css
  1.09 KB   build\static\js\main.c78c7023.chunk.js
  788 B     build\static\js\runtime-main.7f4955e0.js
  451 B     build\static\css\main.07d3f631.chunk.css

The project was built assuming it is hosted at /1091-id-robofriends/.
You can control this with the homepage field in your package.json.

The build folder is ready to be deployed.
```

```
Find out more about deployment here:

  bit.ly/CRA-deploy

> robofriends@0.1.0 deploy C:\Users\htc\Documents\tku\109-1\2N-wp1\demo\1091-id-
robofriends
> gh-pages -d build

Published

$
```

=> Step 4: For a project page, ensure your project's settings use gh-pages

GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

✓   Your site is published at https://htchung.github.io/1091-id-robofriends/

Source
Your GitHub Pages site is currently being built from the `main` branch. Learn more.

Branch: gh-pages ▾   / (root) ▾   Save

=> testing okay