Code Repositories as an Interviewer

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About Me

- Husband and Father
- Senior Solutions Developer at Leading EDJE, Inc.

- 1978 - Started Writing Code
- 1990 - Completed BS CPS

Why?

Why would I look at someone's code repository?

Limited or generic …

- LinkedIn Profile
- Portfolio
- Resume

What "I" Look For?

- Code (structure and organization)
- Unit Tests (any)
- Branching Strategies
- Pull Requests

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- Project Board
- Wiki (showing designs)
- Issues (as Tasks)
- Milestones (MVP …)
- Labels
- CI/CD Pipeline

LET'S MAKE A REPO

Create Repository (GitHub Desktop)
- Add, Create New
- Name: react-project, Node, MIT License
- Create Repository
- Publish Repository (not private)
- View on GitHub

On GitHub
- WIKI, add Visuals (Images)
- Update README.md
- Settings, Collaborators: Add edje-fornal
- Projects Tab, Add Project
- Go to Profile and Create New
- Board
- Add Code Review, rename Todo to Backlog
- Rename to React Project
- Back to REPO, Add Project

In project
- "..." Settings, Visibility
- Initial React Project
- Add PR Language
- Add Pages with Navigation
- Add Pipeline
- Add Unit Tests
- "..." Convert to Issue: React Project

In Repository
- Issues Tab
- Milestones, new Milestone: MVP
- Select All, Project
- Select All, Milestone
- Check Labels

Initial React Project
- Comment: Go [HERE](https://reactjs.org/docs/create-a-new-react-app.html)

GitHub Desktop
- Open in VSCode
- Open in Terminal
- npx create-react-app .
- … WAIT …
- npm start to VERIFY
- CTRL-C to exit
- Fix BRANCH: ISSUE-1, Create Branch
- Bring my changes to ISSUE-1
- Initial Commit
- Publish Branch
- Open Pull Request

On GitHub
- Create: edje-fornal, Self, Project (Code Review), Milestone (MVP), Development (Issue 1)
- Open Project in a new TAB, Move Issue to Code Review
- Second Account, to PR
- Review and Approve
- Original Account: Merge
- View Project Page and Issues
- Move PR Language into In Progress

GitHub Desktop
- Create Branch: ISSUE-2
- Open in VS Code

VS Code
- Create .github folder
- Add pull_request_template.md

GitHub Desktop
- Commit, push and open PR

On GitHub
- Assign all
- Add Rule
- Require a PR before Merging
- To PR
- Second Account: Approve
- Original Account: Merge
- View Project, move Navigation to In Progress

GitHub Desktop
- Create Branch: ISSUE-3 and open in VS Code

Add Pages with Navigation
- Information: [HERE](https://reactrouter.com/en/main/getting-started/installation)

VS Code
- git merge main, if out of sync
- npm install react-router-dom@6
- NEXT PAGE OF NOTES

VS Code
- Copy NAVIGATION files into the project

GitHub Desktop
- Push origin
- Commit ISSUE-2
- Push origin and Create PR

On GitHub
- Using template
- DISCUSS: Title, Markdown
- Right side
- Check Project Board
- Second Account: PR, code
- `console.log` not needed.
- Request Changes, Submit Review

VS Code
- Fix Issues

GitHub Desktop
- Commit and Push

On GitHub
- PR, Resolve Conversations
- Request Re-Review
- Second Account: Re-Review
- Review and Approve
- First Account: MERGE PR
- Check Issues and Project Board
- Move Pipeline forward

GitHub Desktop
- Create Branch ISSUE-3
- Add .github/workflows/build-deploy.yml
- Edit public/index.html … (base and paths)
- Edit package.json … homepage
- Check branch main / master
- `npm run build` and check folder
- Push origin
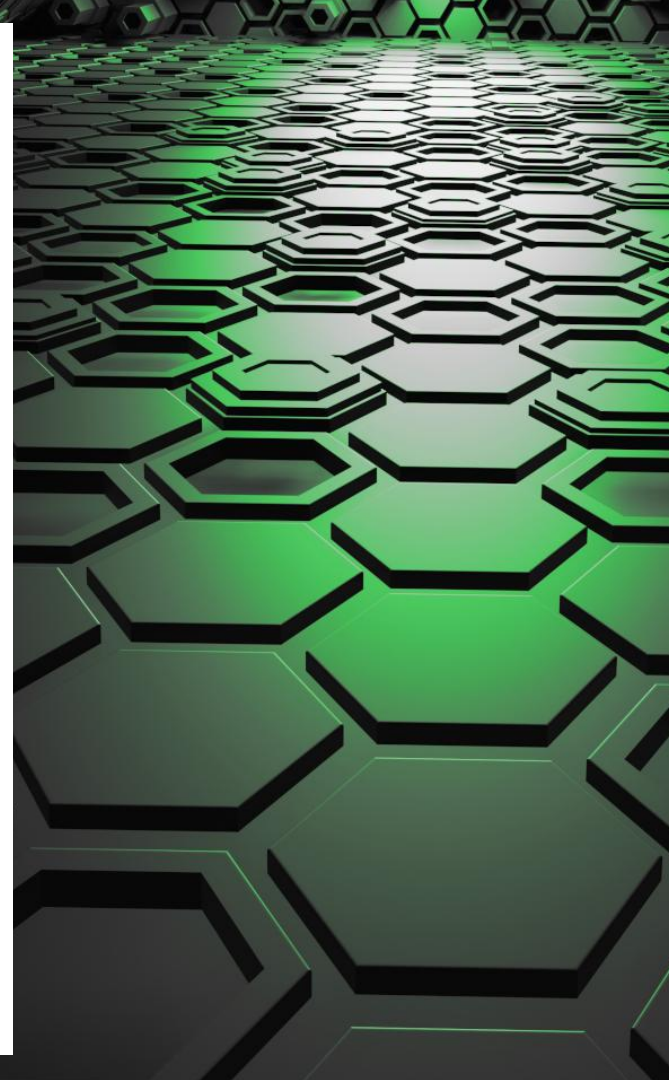- Commit ISSUE-3
- Push origin and Create PR

On GitHub
- Second Account: Review and Approve
- First Account: MERGE PR
- Actions …
- BRANCHES: gh-pages
- SETTINGS | Pages | Deploy from a branch: gh-pages
- ACTIONS: (bot)
- CODE: Environments
- See Project

GitHub Desktop
- Create Branch ISSUE-4
- Add Unit Test Code (updating App.js, App.test.js, components and pages)
- `npm run test`
- Commit, Push, and Create PR

On GitHub
- Second Account: Review and Approve
- First Account: MERGE PR
- ACTIONS: Merge and (bot)
- View Deployment

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