HRDC

BUILDING A BETTER COMMUNITY

HRDC EMPLOYEE INTRANET

DEVELOPER INFO & RESOURCES

SOURCE CODE

Obtaining Source Code

1. Visit https://github.com/423S25/repo4

2. Clone the repository to your local machine
   Git clone <your chosen repo name>

How to Build

- Visit this documentation: https://nextjs.org/docs/app/getting-started/installation

- Install NextJS

- Instal Flask

- Visit this documentation: https://flask.palletsprojects.com/en/stable/installation/

- Install these npm modules

- npm install lucide-react

- npm install next

Gain access as to the GitHub as a contributor

Speak to your superiors to be added

Directory Structure:

Documentation
- Developer Doc
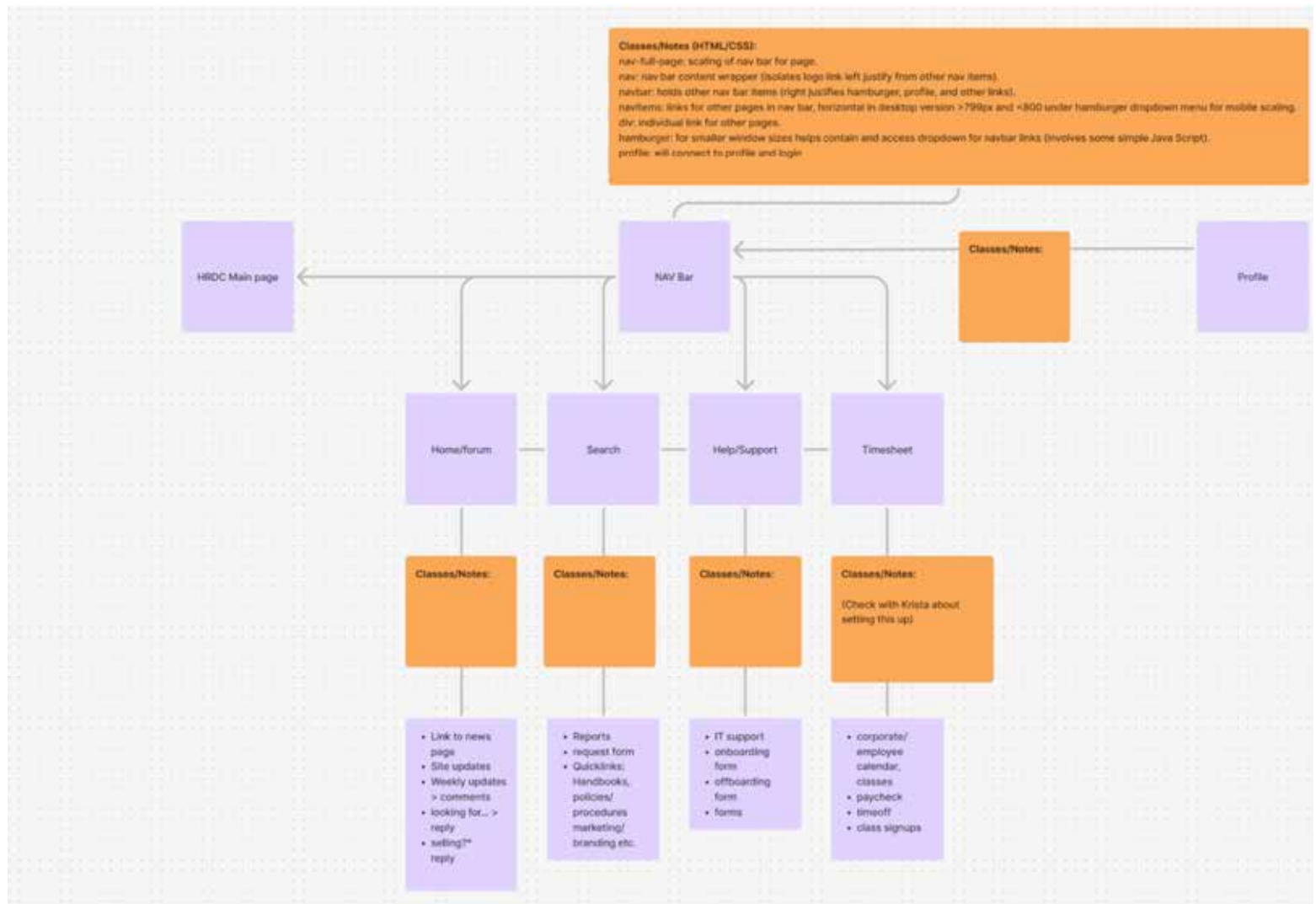- User Doc
- UML
- UML documents
Site
- Design
- Images
- Styles
- Frameworks
docs
- NextJS
- HTML
- Misc. Code

CLASS DIAGRAM

TESTING

How to Test:

DO NOT push to Github before testing

After saving your changes, access the website https://hrdc.fly.dev/ via flask

Test your feature to ensure it doesn't negatively impact other areas.

Have team members review your changes.

Push afterwards

Automated Build and Test:

1. Access project repository

2. Run automated test suite
    - Available through Github Actions tab

3. View passed/failed tests
    - Failed tests have error terminals that you can view

Debugging and Issues

Current Bugs will be tracked through Github Issues

TESTING PROTOCOL AND METHODS

Cross-Browser Testing

- Ensure compatibility and functionality across various browsers and devices.
- Manual testing on: Firefox (Windows), Edge (Windows), Chrome (Windows), iPhone Chrome (Mobile)
- Verify layout, functionality, and responsiveness across different browsers and devices.

Integration Testing

- Validate the integration of new features and changes with existing codebase.
- Feature branching: Create separate branches for new features or changes.
- Testing before committing to main: Thoroughly test new features or changes before merging with the main branch.
- Manual testing of integrated features to ensure seamless functionality.

Black-Box Testing

- Identify issues and bugs through exploratory testing.
- Manually explore the website, attempting to break or identify issues.
- Verification of expected behavior and identification of unexpected issues.

Automated Testing with GitHub

- Automate testing and validation of code changes.
- Utilize GitHub Actions for automated testing.
- Create a .yaml file to define automated tests and workflows.
- Integration with GitHub Issues for tracking and resolving identified issues.

FEATURE RELEASE

How to Release a Version:

Consult your PM

After consulting, speak with your clients about the changes

Learn what they are satisfied/dissatisfied with

Update documentation to reflect changes

Push new version to Github

(Optionally) Create blog release overviewing new features

changing ticketing / time-off emails:

Go to your .env.local file and change the following according to your requirements.

EMAIL_USER = (your email)

EMAIL_PASS = (this depends. If you are using Google, You need to create an app password (create hyper link here)) otherwise, put in regular password

EMAIL_HOST= look up the host address for your email client (Google, Microsoft, etc.)

EMAIL_PORT= this will be included on the same page that the host address will be in

EMAIL_SECURE= this will be included on the same page that the host address will be in

FURTHER QUESTIONS AND SUPPORT

TROUBLESHOOTING AND SUPPORT

For internal assistance, contact the support team at [HRDC IT team]

For Developer support, contact loganschuman406@gmail.com.