INSTALL

Installation Instructions

There are two ways to install our artifact: one way is to configure the environment directly on localhost; the other way is to use docker.

Install Directly

1. Install Elm:

https://guide.elm-lang.org/install/elm.html

2. Download Source Code:

https://github.com/1BidirectionalPreview/BidirectionalPreview

- 3. cd BidirectionalPreview(The root directory containing the *src* folder)
- 4. Compile Project: elm make src/Main.elm --output=elm.js
- 5. Open index.html using browser

Install Using Docker

1. Download the docker image file (bidirectional_preview.tar) from the artifact link

https://drive.google.com/file/d/1G7Q6lNxsd8rmOkMnERqaUy6fV

qJwy9oi/view?usp=sharing

- 2. Import the image and name it *bidirecitonalpreview* docker import bidirectional_preview.tar bidirectionalpreview:latest
- 3. Check if import successfully

docker images

4. Create a container with port mapping and name it BiPreview.

Port 8000 of the container is mapped to port 8080 of the host.

docker run -ti -d --name BiPreview -p 8080:8000 -it bidirectionalpreview /bin/bash

- 5. Start the container BiPreview
- 6. Enter project:

cd /root/BidirectionalPreview

7. Compile project:

elm make src/Main.elm --output=elm.js

8. Starts a server at: http://localhost:8000

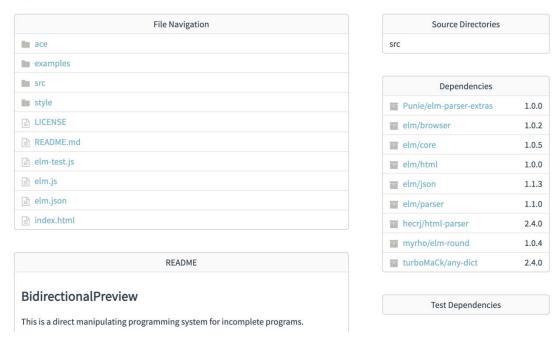
Elm reactor

9. In the host, visit url:

http://localhost:8080

10. Click index.html in the web page you just opened





A method to test the installation

Successfully opened the following page.

