Watching the Weather With Github Actions

John Keefe

The New York Times

bit.ly/nicar25-weather

If you don't have an Github account, make a free one now at github.com



Today's workshop

- Learn about the Weather Service API
- Make your own copy of my code to take home
- Learn about Github Actions
- Learn about Github Codespaces
- Set up Slack to get messages
- Set up Github with the settings you need
- Make it go



Notes, links & code

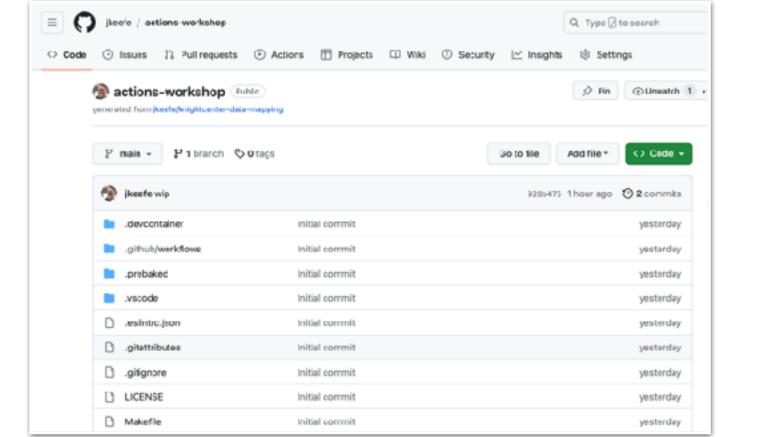




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Weather Service













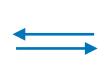
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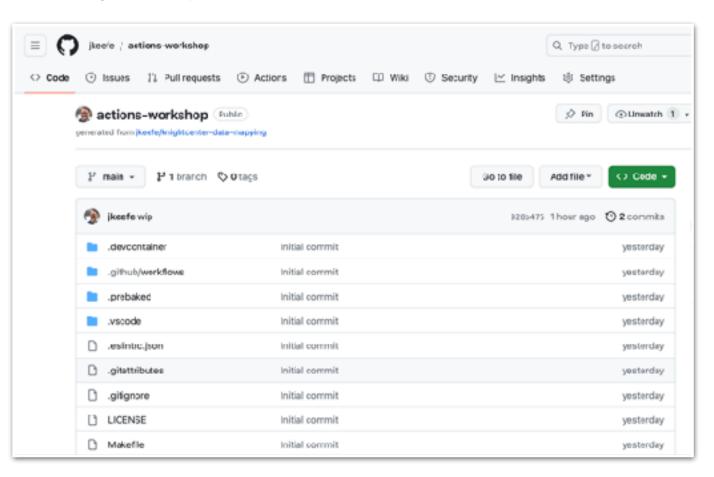
Repository

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Warnings Bot APP 3:29 PM



Winter Weather Advisory

Winter Weather Advisory issued March 5 at 11:35AM CST until March 5 at 6:00PM CST by NWS Sioux Falls SD

Locations/counties included: Osceola; O'Brien; Cherokee;

Woodbury; Lyon; Murray; Nobles

Warning time: 2025-03-05T11:35:00-06:00

See thread **I** for details ...

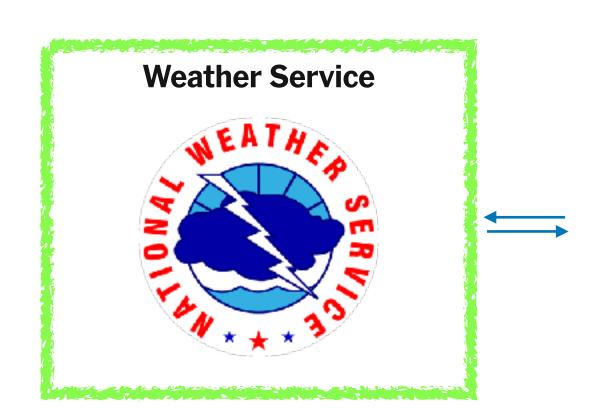


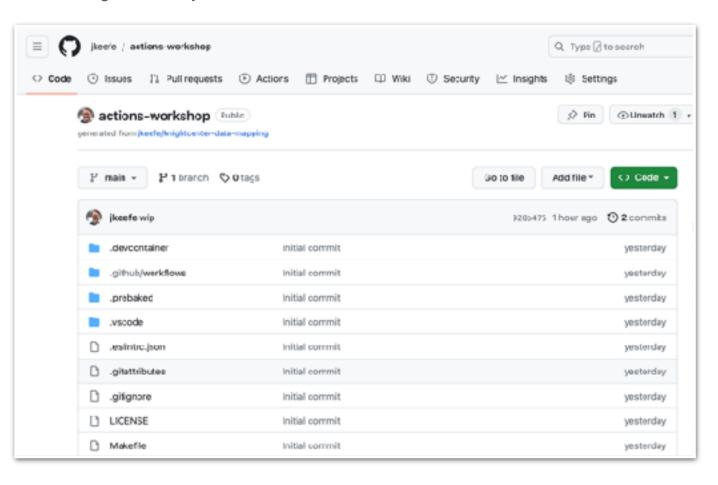
1 reply Today at 3:29 PM





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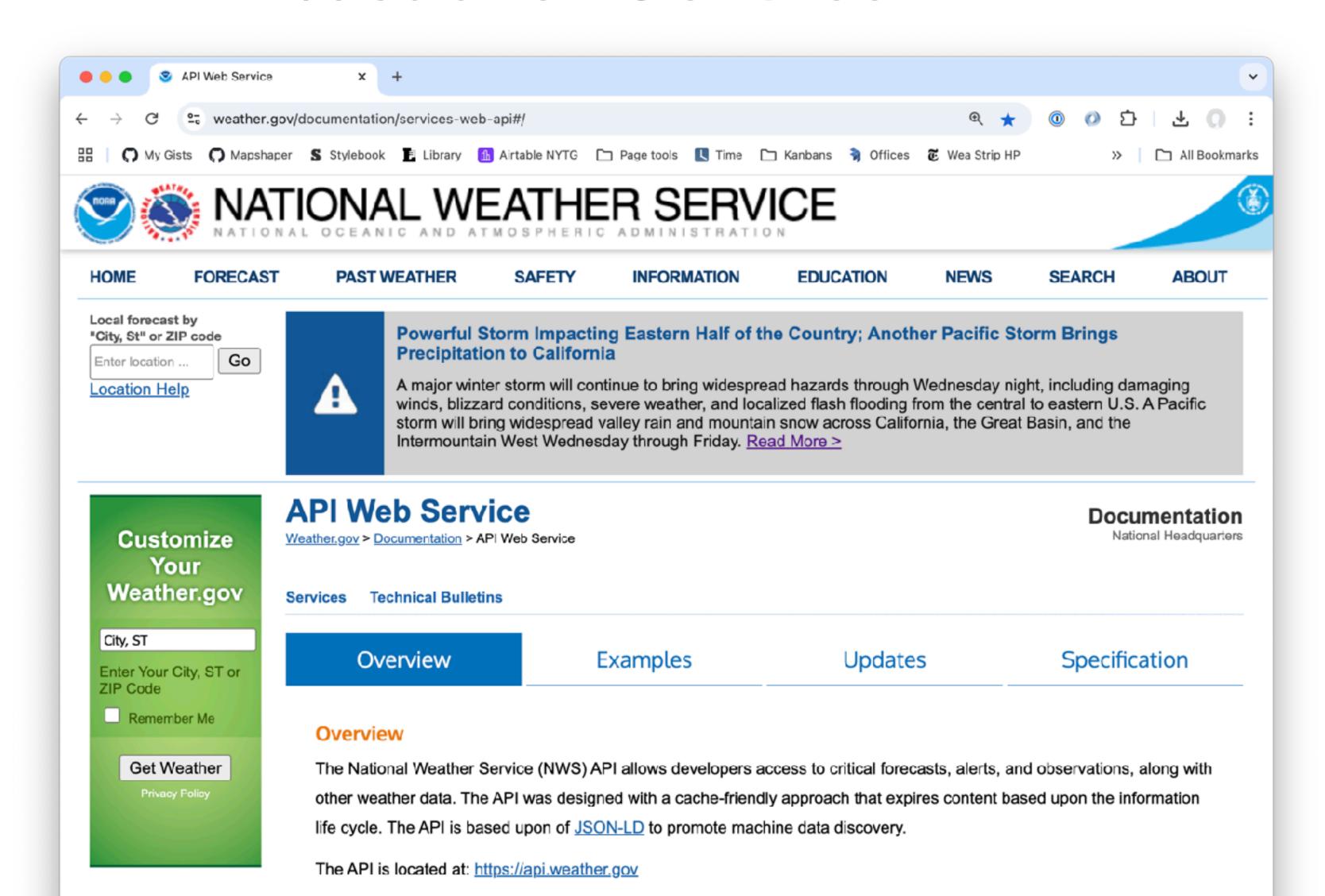




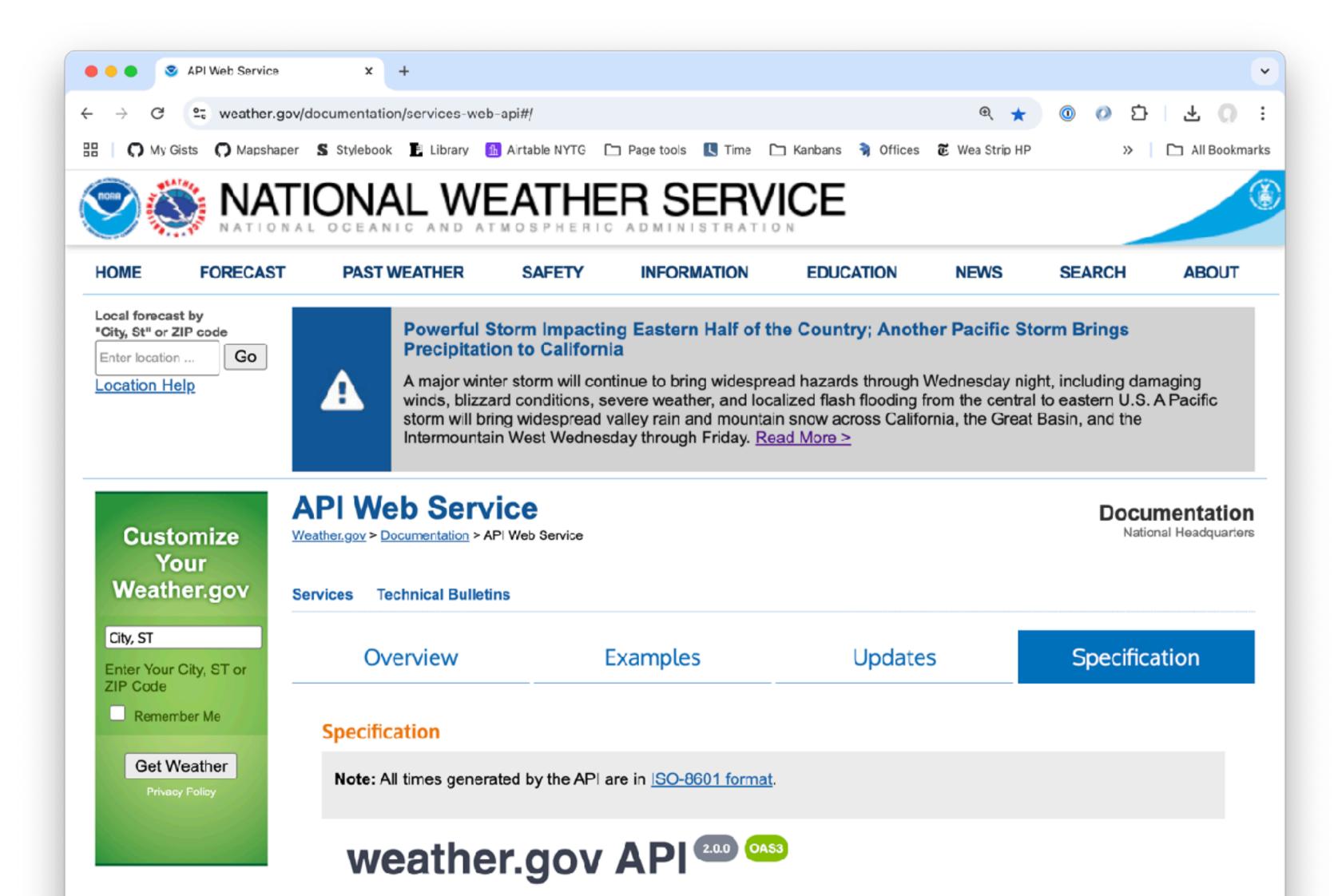


https://www.weather.gov/documentation/services-web-api

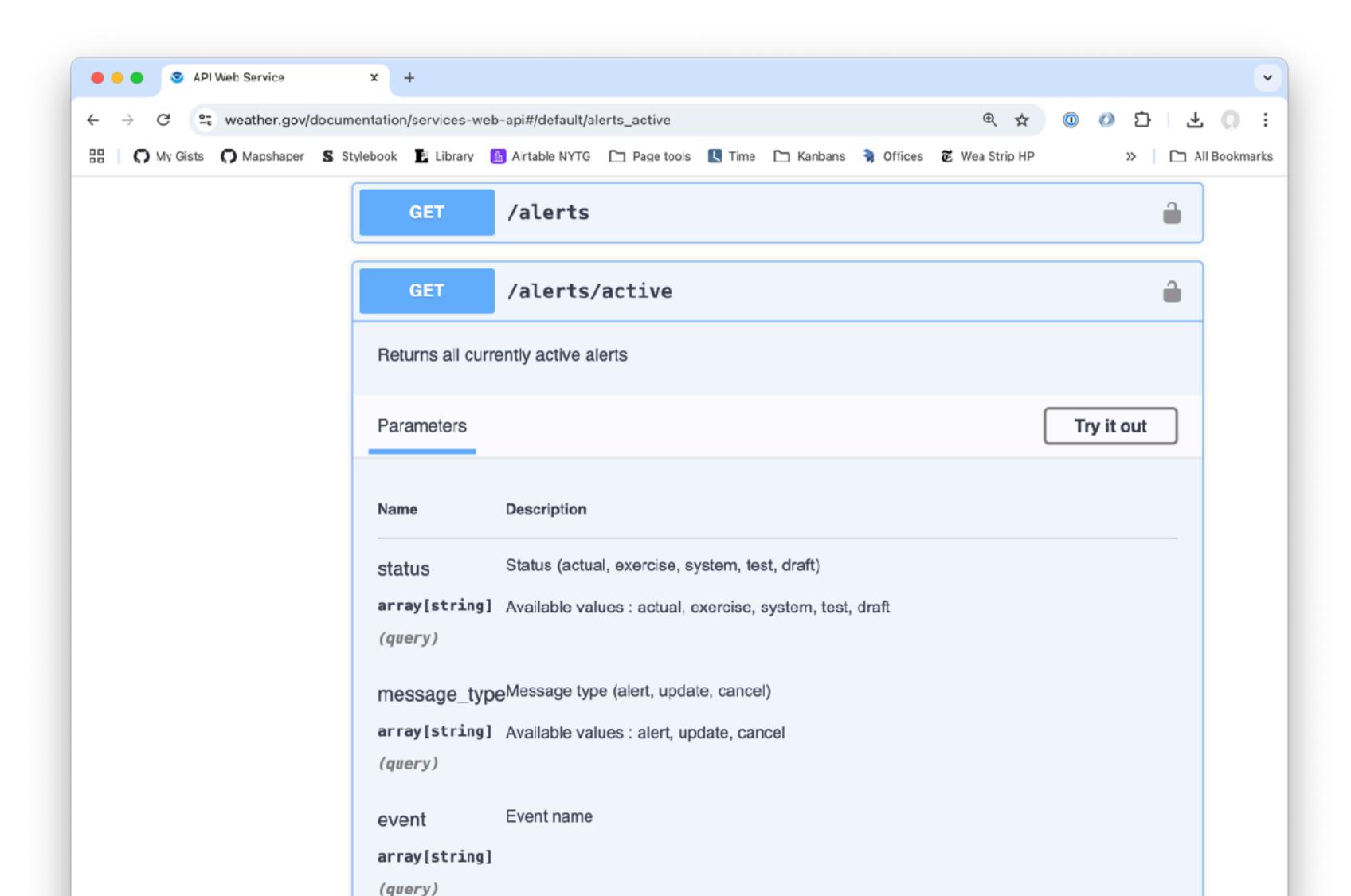


























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- features: [
    id: "https://api.weather.gov/alerts/urn:oid:2.49.0.1.840.0.d98069872072e35fb220272617b5d049d649ecd7.002.1",
    type: "Feature",
    geometry: null,
   - properties: {
        @id: "https://api.weather.gov/alerts/urn:oid:2.49.0.1.840.0.d98069872072e35fb220272617b5d049d649ecd7.002.1",
        @type: "wx:Alert",
        id: "urn:oid:2.49.0.1.840.0.d98069872072e35fb220272617b5d049d649ecd7.002.1",
        areaDesc: "Sioux; Plymouth; Lincoln; Dixon; Dakota; Union",
      + geocode: { ... },
      + affectedZones: [ ... ],
      + references: [ ... ],
        sent: "2025-03-05T11:35:00-06:00",
        effective: "2025-03-05T11:35:00-06:00",
        onset: "2025-03-05T11:35:00-06:00",
        expires: "2025-03-05T12:45:00-06:00",
        ends: "2025-03-05T12:00:00-06:00",
        status: "Actual",
        messageType: "Update",
        category: "Met",
        severity: "Extreme",
        certainty: "Likely",
        urgency: "Expected",
        event: "Blizzard Warning",
        sender: "w-nws.webmaster@noaa.gov",
        senderName: "NWS Sioux Falls SD",
        headline: "Blizzard Warning issued March 5 at 11:35AM CST until March 5 at 12:00PM CST by NWS Sioux Falls SD",
        description: "Winds continue to weaken while visibilities improve this afternoon.",
        instruction: null,
        response: "Prepare",
      - parameters: {
          – AWIPSidentifier: [
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```

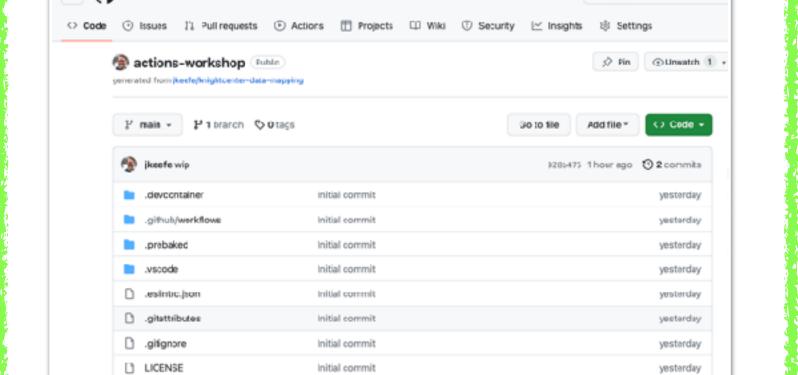




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☐ Makefile

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○ Code ③ Issues 11 Pull requests ⑤ Actions 🖽 Projects 🕮 Wiki ① Security 🗠 Insights 🕸 Settings

initial commit

jkeefe/weather-newsrooms-nicar25

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yesterday

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gitattributes

gitignore.

LICENSE

Makefile

actions-workshop (Fuble)

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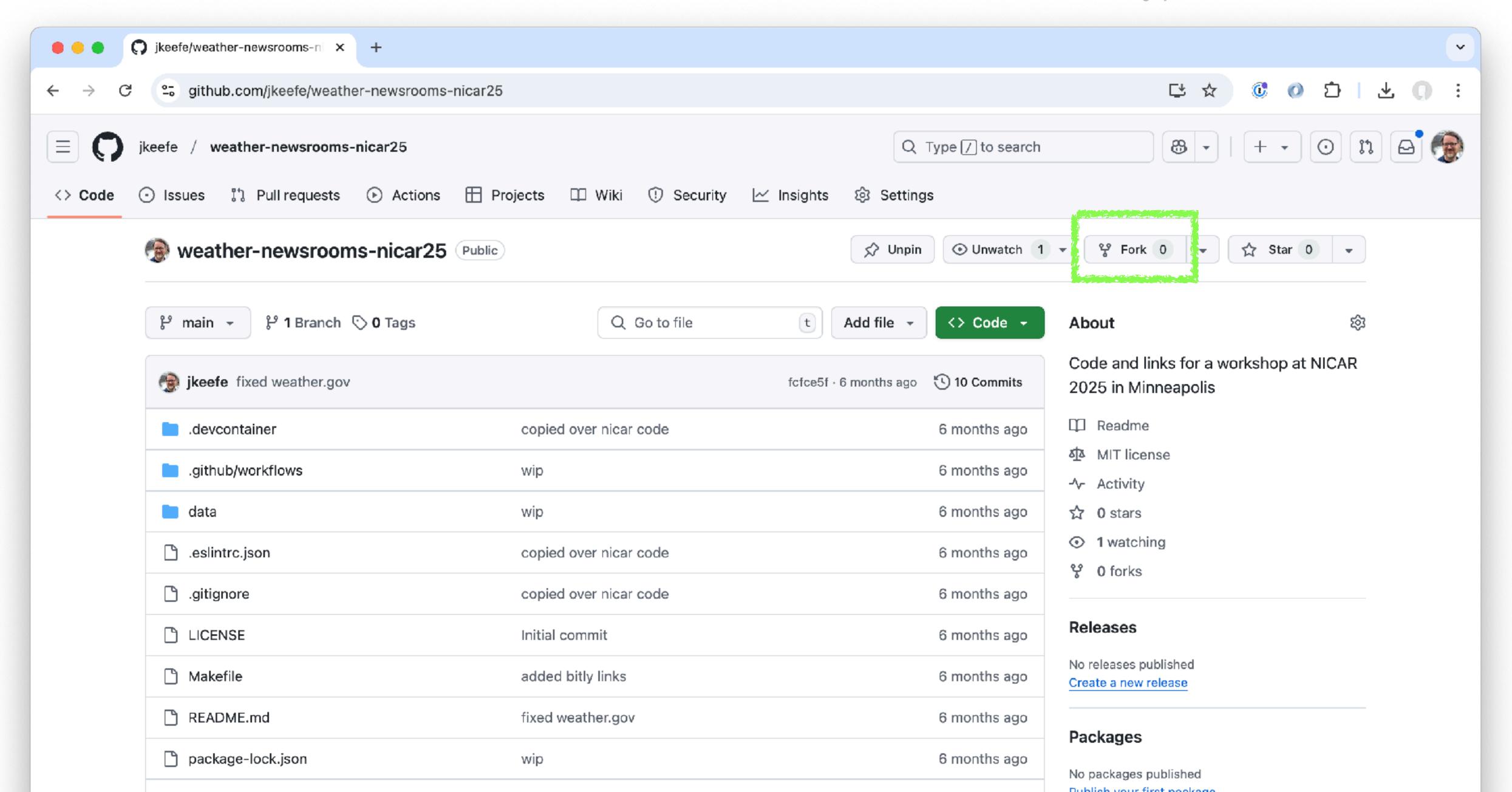
Weather Service

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	LICENSE	Initial commit	yesterday
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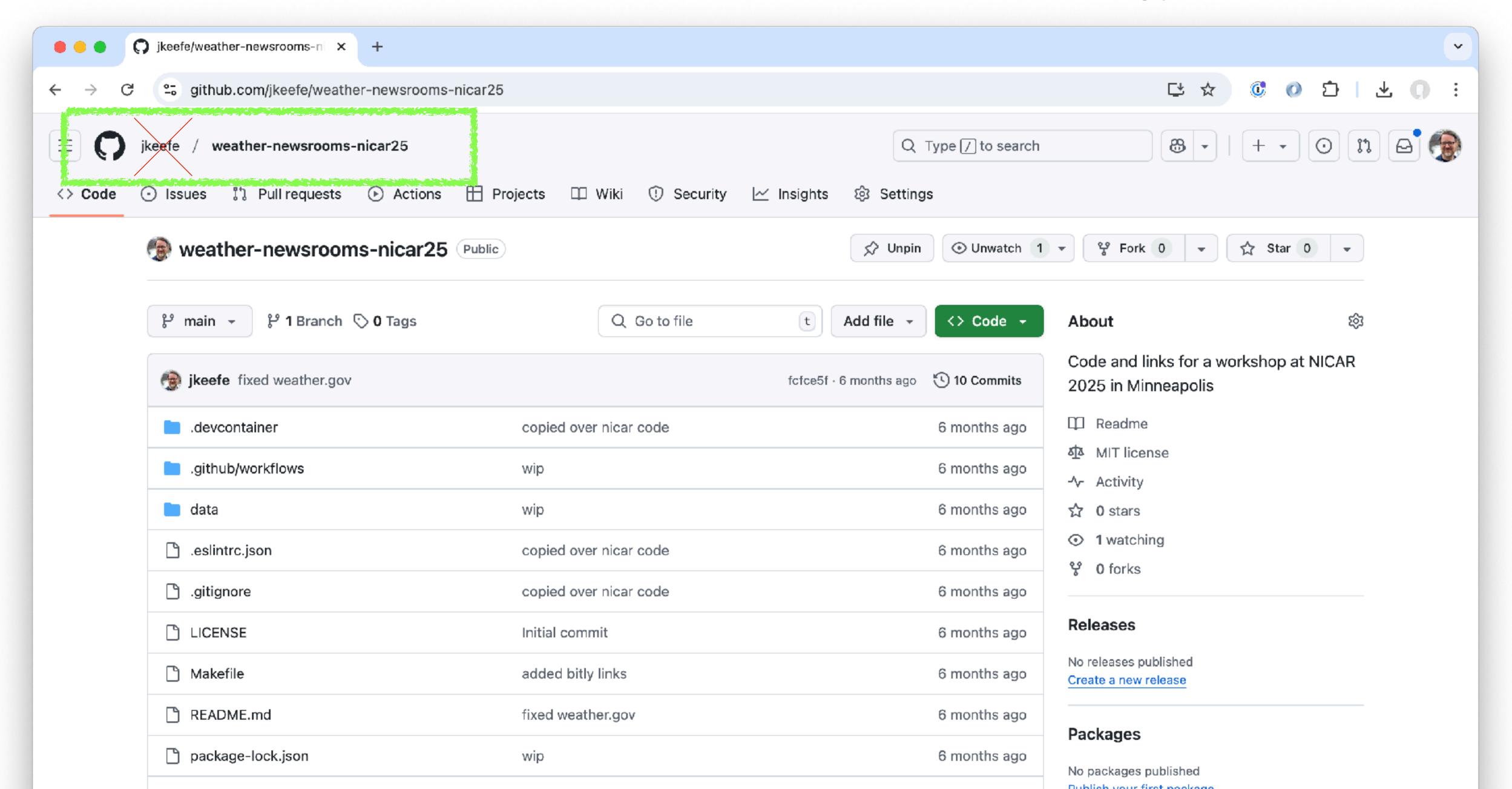
















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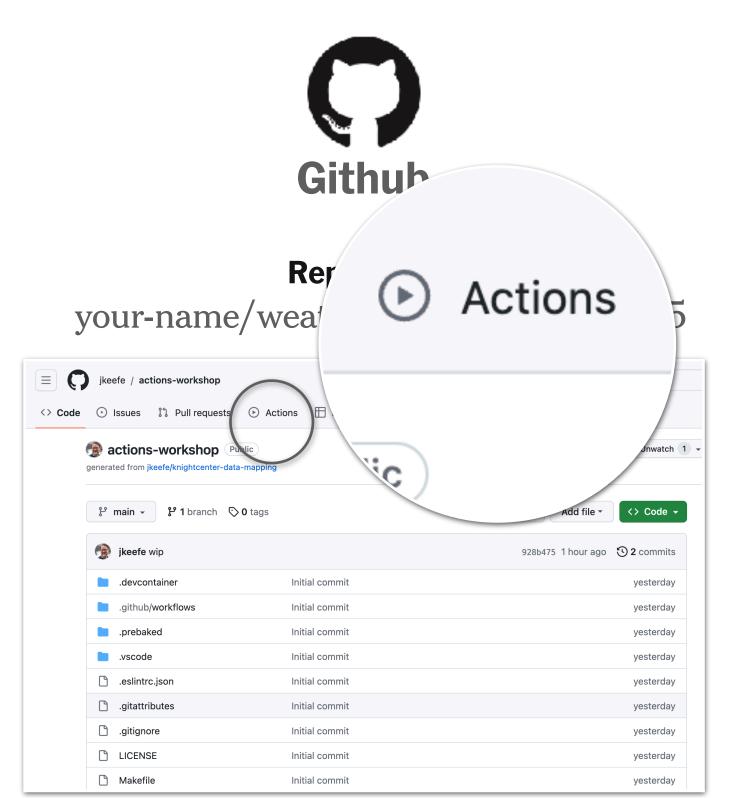
Weather Service

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Weather



Weather Service



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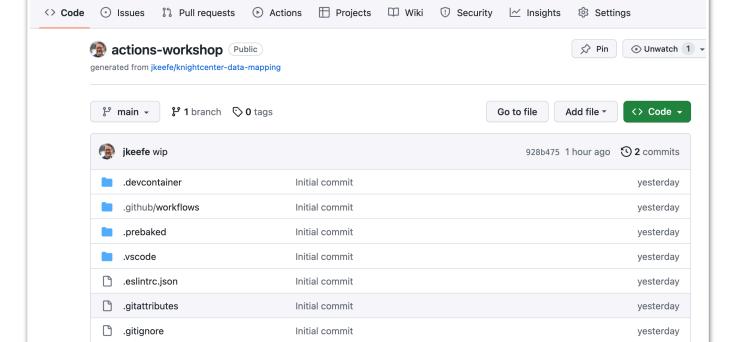


LICENSE

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Weather Service





yesterday

Initial commit



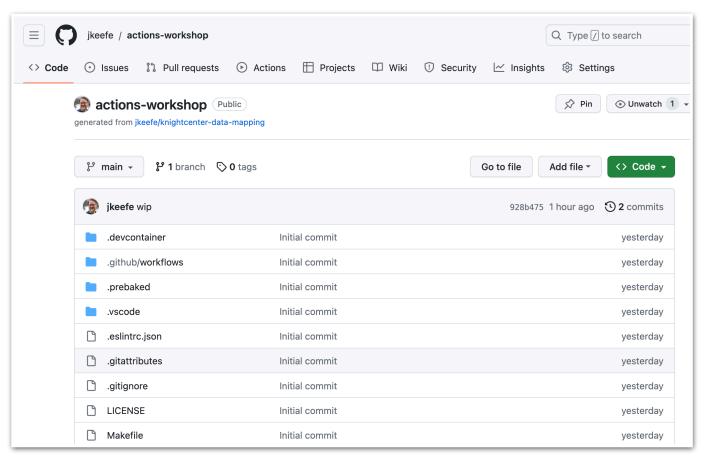






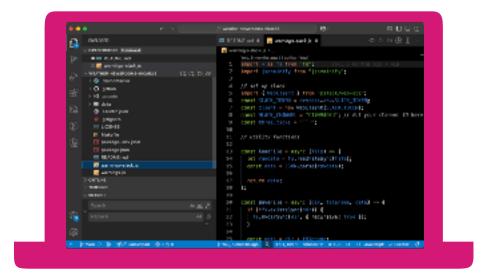
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Locally on Your laptop







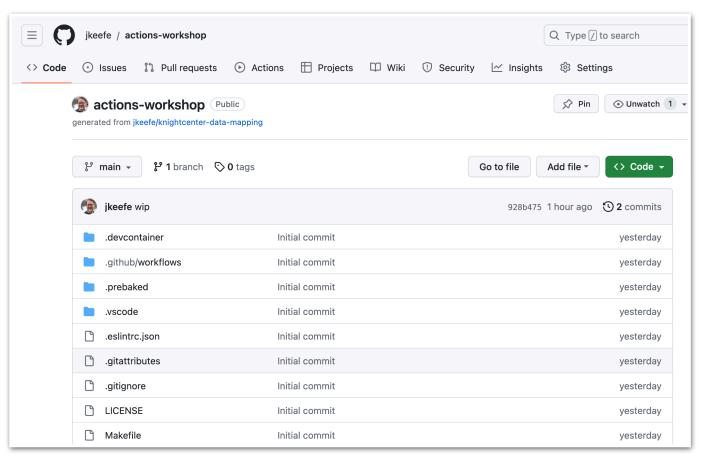




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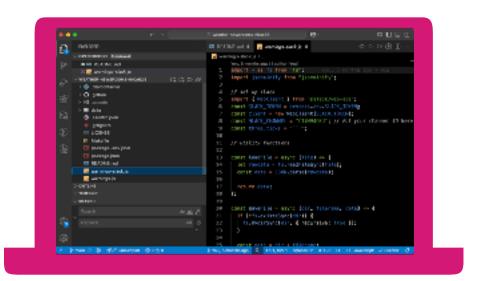
Weather Service

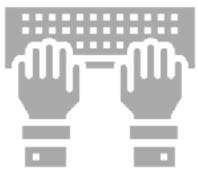






Locally on Your laptop





You

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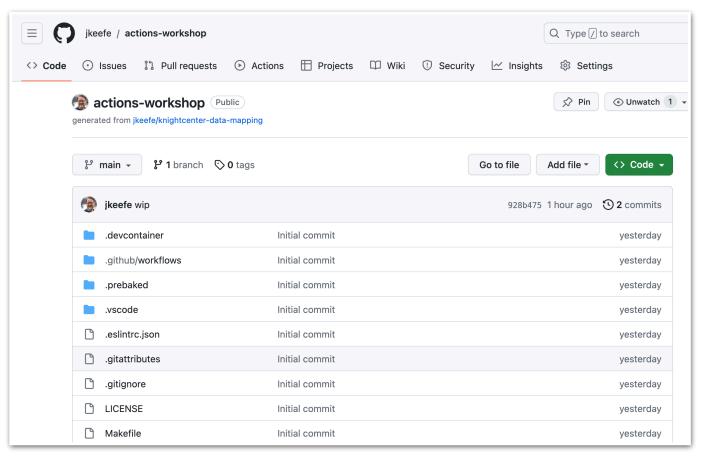




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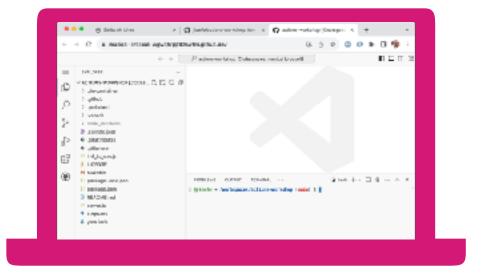
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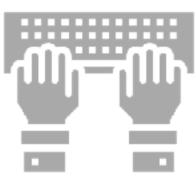






Github Codespaces



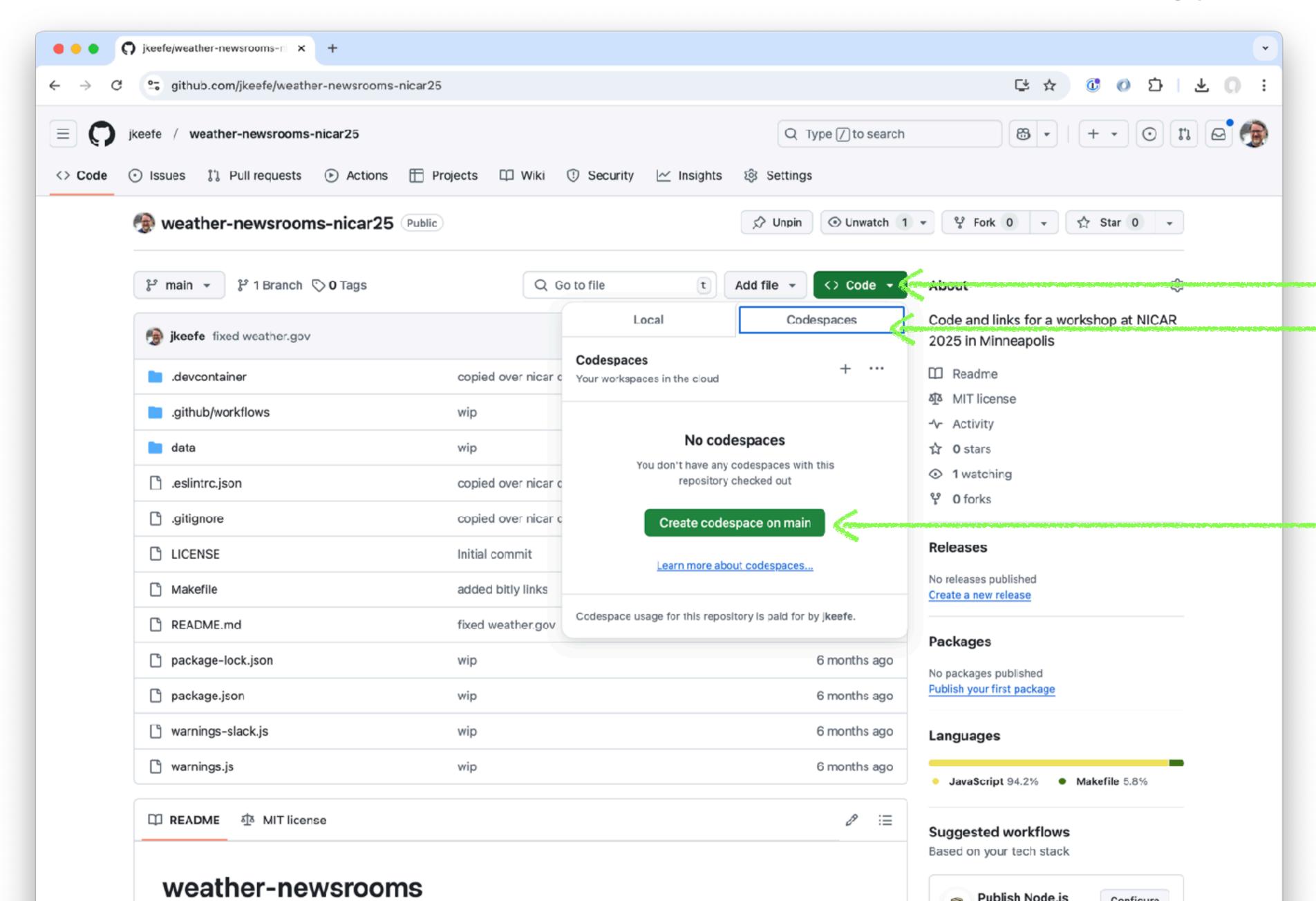


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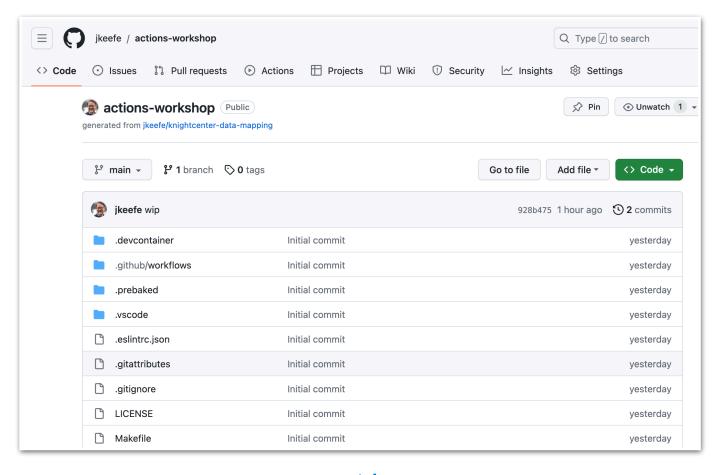




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