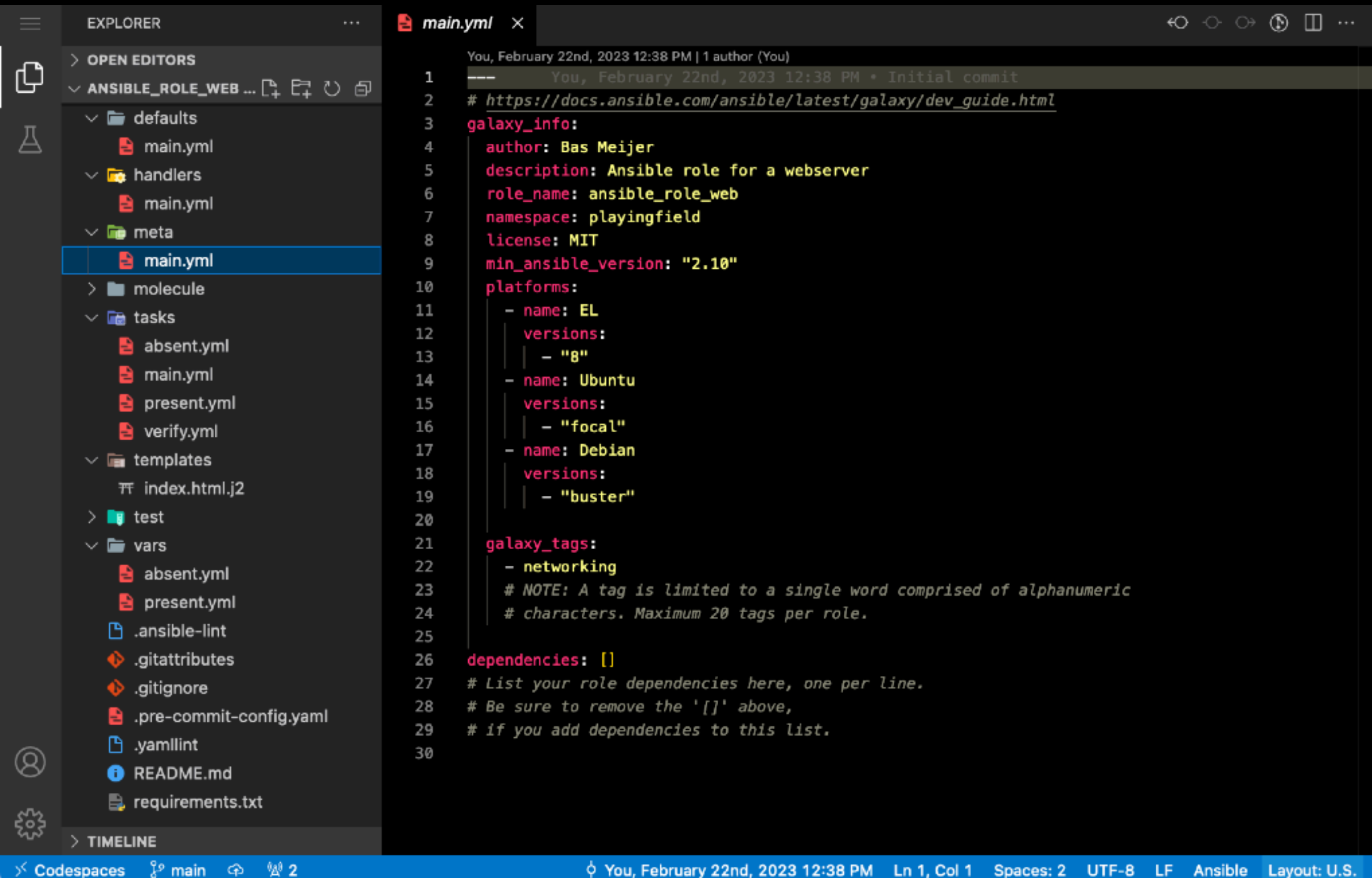# Decompose in roles

- A Role can be developed, tested & versioned independently

- Roles are ways of automatically loading certain vars_files, tasks, and handlers based on a known file structure

- Grouping content by roles also allows easy sharing of roles with other users

- http://galaxy.ansible.com

```
ssh
|-- files
|    `-- bash_profile
|-- handlers
|    `-- main.yml
|-- tasks
|    `-- main.yml
`-- templates
    |-- ssh_config.j2
    `--sshd_config.j2
```

Role structure

EXPLORER

> OPEN EDITORS
∨ ANSIBLE_ROLE_WEB …
  ∨ 📁 defaults
    📄 main.yml
  ∨ 📁 handlers
    📄 main.yml
  ∨ 📁 meta
    📄 main.yml
  > 📁 molecule
  ∨ 📁 tasks
    📄 absent.yml
    📄 main.yml
    📄 present.yml
    📄 verify.yml
  ∨ 📁 templates
    𝕋𝕋 index.html.j2
  > 📁 test
  ∨ 📁 vars
    📄 absent.yml
    📄 present.yml
    📄 .ansible-lint
    📄 .gitattributes
    📄 .gitignore
    📄 .pre-commit-config.yaml
    📄 .yamllint
    ℹ️ README.md
    📄 requirements.txt

> TIMELINE

📄 main.yml ✕

You, February 22nd, 2023 12:38 PM | 1 author (You)

```yaml
1   ---           You, February 22nd, 2023 12:38 PM • Initial commit
2   # https://docs.ansible.com/ansible/latest/galaxy/dev_guide.html
3   galaxy_info:
4     author: Bas Meijer
5     description: Ansible role for a webserver
6     role_name: ansible_role_web
7     namespace: playingfield
8     license: MIT
9     min_ansible_version: "2.10"
10    platforms:
11      - name: EL
12        versions:
13          - "8"
14      - name: Ubuntu
15        versions:
16          - "focal"
17      - name: Debian
18        versions:
19          - "buster"
20
21    galaxy_tags:
22      - networking
23      # NOTE: A tag is limited to a single word comprised of alphanumeric
24      # characters. Maximum 20 tags per role.
25
26  dependencies: []
27  # List your role dependencies here, one per line.
28  # Be sure to remove the '[]' above,
29  # if you add dependencies to this list.
30
```

Codespaces   ⑂ main   ↻   ⚠ 2   ◇ You, February 22nd, 2023 12:38 PM   Ln 1, Col 1   Spaces: 2   UTF-8   LF   Ansible   Layout: U.S.