Data Model

Account (3) -> Price Plan (3) -> Contact (5) -> Reading

Initial the project

1. clone the repo to local system

```
git clone https://github.com/sf-wilson/joyofenergy-apex.git
```

2. dev branch mgmt (need web auth)

```
# new a branch
git branch dev

# push the code from local system to dev branch
git push origin dev

# switch the branch
git checkout dev

# check all the branch on the repo
git branch
```

3. check the metadata structure and modify the package.xml for deploying to org
   - ApexClass
   - LightningComponentBundle
   - CustomObject
   - QuickAction

Extra Setup in SFDC

1. create an app and tabs for the custom part
   - tabs
     - Price Plans
     - Readings
   - app
     - JOI Energy
2. assign FLS for system admin via profile
   - Price Plan
   - Reading
   - Contact
3. import sample data
4. adjust page layout
   - Price Plan
   - Reading

- Account - Account Layout
- Account - Contact Layout (also need to add quick action: FetchMockData)

5. go to the one of the contact record, then click the FetchMockData button, then reading records will be initialized.

```
select id,Client__r.name,Name, format(ReadingTime__c), Value__c from Reading__c
order by ReadingTime__c desc
```

Common CLI

```
# set alias
sfdx force:alias:set sp21=wilson@releasesp21.com

# import data
sfdx force:data:tree:import -f data/Account.json -u sp21

# push code to dev
git status # check changed files
git add . # add all new or changed files
git commit -m "your commit"
git push -u origin dev
```

Ref

1. Comparable: Sorting Objects in Salesforce
2. Comparable Interface
3. Use Lightning Web Components for Quick Action
4. Create Screen Quick Actions

ToDo

1. trial the ref1, 3