

Employee Feedback

Django + Vue.js

Challenge report

Done

Admin view: use django default function, support to add user, view each data, change data and so on

API: employee API, feedback API, support for GET, POST, PUT, DELETE method

Database: include 3 tables to storage necessary data

Employee view: use Vue.js to create SPA web view, can see the list data by login user id, allow login employee to do feedback which are requested

Not done

Employee view user login authentication: just use a mock in frontend, any password can pass

Feedback put API authentication: allow same origin without header authentication

Technology selection

- ▶ Server: Python, Django, Django REST framework
 - ▶ Django provide an admin page function for quick start
 - ▶ Django REST framework help it easy to create API
- ▶ Database: SQLite
 - ▶ Because the data is simple, the default DB in Django is enough
- ▶ Front: Vue.js, Vuex, Vuetify
 - ▶ Vue.js + Vuex is easy to implement than React + Redux (*Personal opinion*)

Database table structure

Table	Column	Type	Usage
User	id	primary key	table is for all employee
User	name	str	employee name
User	mail	str	employee mail
Account	id	primary key	table is for choose who will do feedback
Account	account	foreign key	connect with User table
Entry	id	primary key	table is for record feedback data
Entry	employee	foreign key	connect with User table
Entry	status	str	show status of each requested feedback
Entry	score	int	feedback rating
Entry	comment	str	feedback comment
Entry	reporter	foreign key	connect with Account table

Directory & file structure

project

api

admin

models

serializer

urls

views

app

dist

node

router

store

App

views

project

urls

settings

名前	種類
▼ api	フォルダ
__init__.py	Python Source
▶ __pycache__	フォルダ
admin.py	Python Source
apps.py	Python Source
▶ migrations	フォルダ
models.py	Python Source
serializer.py	Python Source
tests.py	Python Source
urls.py	Python Source
views.py	Python Source
▼ app	フォルダ
babel.config.js	JavaScript
▶ dist	フォルダ
▶ node_modules	フォルダ
package-lock.json	JSON Document
package.json	JSON Document
▶ public	フォルダ
README.md	Markdown Document
▼ src	フォルダ
App.vue	Visual Studio Code書類
▶ assets	フォルダ
main.js	JavaScript
▶ plugins	フォルダ
router.js	JavaScript
store.js	JavaScript
▼ views	フォルダ
Detail.vue	Visual Studio Code書類
Home.vue	Visual Studio Code書類
NotFound.vue	Visual Studio Code書類
vue.config.js	JavaScript
db.sqlite3	DB Browser for SQLite書類
manage.py	Python Source
▼ project	フォルダ
__init__.py	Python Source
▶ __pycache__	フォルダ
asgi.py	Python Source
settings.py	Python Source
urls.py	Python Source
wsgi.py	Python Source

Product path

- ▶ Admin view: /admin/
 - ▶ Add/remove/update/view employees: /admin/user/
 - ▶ Add/update/view performance reviews: /admin /entry/
 - ▶ Assign employees to participate in another employee's performance review: /admin /entry/
- ▶ API view: /api/
 - ▶ All employee API: /api/user/
 - ▶ Feedback employee API: /api/account/
 - ▶ Feedback data API: /api/entry/
- ▶ Employee view
 - ▶ List of performance reviews requiring feedback: /spa/
 - ▶ Submit feedback: /spa/detail/{id}/