SvelteKit Installation and Configuration with Flowbite and Directus

Step-1: Install sveltekit app using 'npm create svelte@latest <folder-name>' and click 'y', here i have given the folder name as 'demo'.

```
mojjadavenkatnikhil@robotspace-QBiX-Pro-EHLA6412H-A1:~$ npm create svelte@latest demo

> npx
> create-svelte demo
```

Step-2: Select the the 'Skeleton project' option and press enter.

```
◆ Which Svelte app template?
  ○ SvelteKit demo app
  ● Skeleton project (Barebones scaffolding for your new SvelteKit app)
  ○ Library project
```

Step-3: Select the option 'No' and press enter

```
◆ Add type checking with TypeScript?
  ○ Yes, using TypeScript syntax
  ○ Yes, using JavaScript with JSDoc comments
  ● No
```

Step-4: Simply press enter without selecting anything

```
◆ Select additional options (use arrow keys/space bar)
  □ Add ESLint for code linting
  □ Add Prettier for code formatting
  □ Add Playwright for browser testing
  □ Add Vitest for unit testing
  □ Try the Svelte 5 preview (unstable!)
```

Step-5: Now change the directory to the '<folder-name>' that you have given while creating the sveltekit app in my case it is 'demo', use 'cd demo' command to change the directory to demo and then type 'npm install' to install the node packages.

```
mojjadavenkatnikhil@robotspace-QBiX-Pro-EHLA6412H-A1:~$ cd demo
mojjadavenkatnikhil@robotspace-QBiX-Pro-EHLA6412H-A1:~/demo$ npm install

added 54 packages, and audited 55 packages in 5m

4 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

Step-6: Now run the svelte app by using 'npm run dev' command

```
mojjadavenkatnikhil@robotspace-QBiX-Pro-EHLA6412H-A1:~/demo$ npm run dev

> demo@0.0.1 dev
> vite dev

Forced re-optimization of dependencies
Port 5173 is in use, trying another one...

  VITE v5.4.0  ready in 2361 ms

  →  Local:   http://localhost:5174/
  →  Network: use --host to expose
  →  press h + enter to show help
```

Step-7: Now we have to install tailwindcss component to use Flowbite in our app.

```
mojjadavenkatnikhil@robotspace-QBiX-Pro-EHLA6412H-A1:~/demo$ npx svelte-add@latest tailwindcss
svelte-add version 2.7.3

  Welcome to Svelte Add!

◇  Do you want to use typography plugin?
   No

◇  Successfully installed dependencies

   You're all set!
```

Step-8: Now use 'npm i' command to update the npm packages

```
mojjadavenkatnikhil@robotspace-QBiX-Pro-EHLA6412H-A1:~/demo$ npm i

up to date, audited 169 packages in 3s

36 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

Step-9: Now use 'npm i -D flowbite-svelte flowbite' command to install flowbite

```
mojjadavenkatnikhil@robotspace-QBiX-Pro-EHLA6412H-A1:~/demo$ npm i -D flowbite-svelte flowbite

added 26 packages, and audited 195 packages in 12s

40 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

Step-10: Now lets install flowbite icons using the 'npm i -D flowbite-svelte-icons' command

```
mojjadavenkatnikhil@robotspace-QBiX-Pro-EHLA6412H-A1:~/demo$ npm i -D flowbite-svelte-icons

added 1 package, and audited 196 packages in 5s

40 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

Step-11: Now we have to configure the tailwindcss for the flowbite components to work. Open the 'tailwind.config.js' in the root of your sveltekit app/folder.

Replace the existing code with the below code:

```
const config = {
  content: ['./src/**/*.{html,js,svelte,ts}',
'./node_modules/flowbite-svelte/**/*.{html,js,svelte,ts}'],

  plugins: [require('flowbite/plugin')],

  darkMode: 'class',

  theme: {
    extend: {
      colors: {
        // flowbite-svelte
        primary: {
          50: '#FFF5F2',
          100: '#FFF1EE',
          200: '#FFE4DE',
          300: '#FFD5CC',
          400: '#FFBCAD',
          500: '#FE795D',
          600: '#EF562F',
          700: '#EB4F27',
          800: '#CC4522',
          900: '#A5371B'
        }
      }
    }
  }
};

module.exports = config;
```

Note: if you want to add more colours in your config file refer to the below link

https://flowbite-svelte.com/docs/pages/colors

Your tailwind css configuration is done and now you can use the flowbite components in your sveltekit app

Step-12: Now we have to configure our sveltekit app with the directus API, to proceed we have to first install directus sdk in our sveltekit folder.
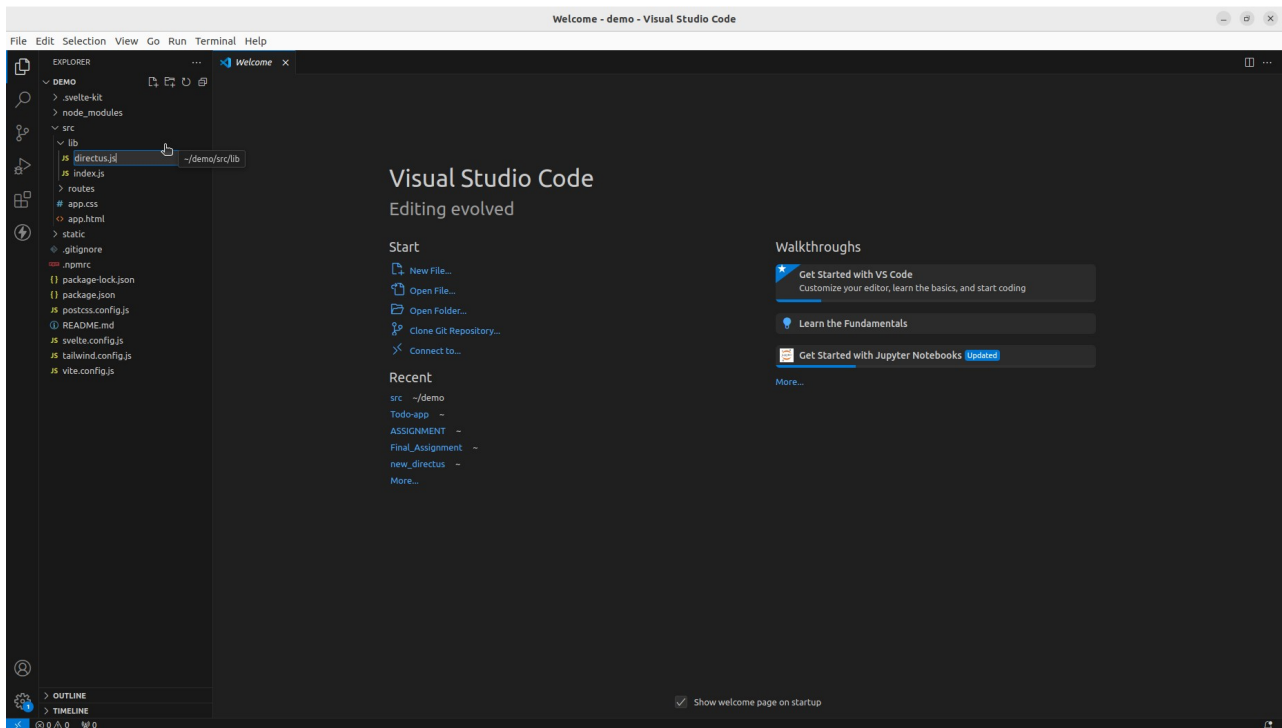

Step-13: After the installation has been done now we have to configure our app with directus to do that first we have to create 'directus.js' file in your sveltekit folder's src/lib folder.
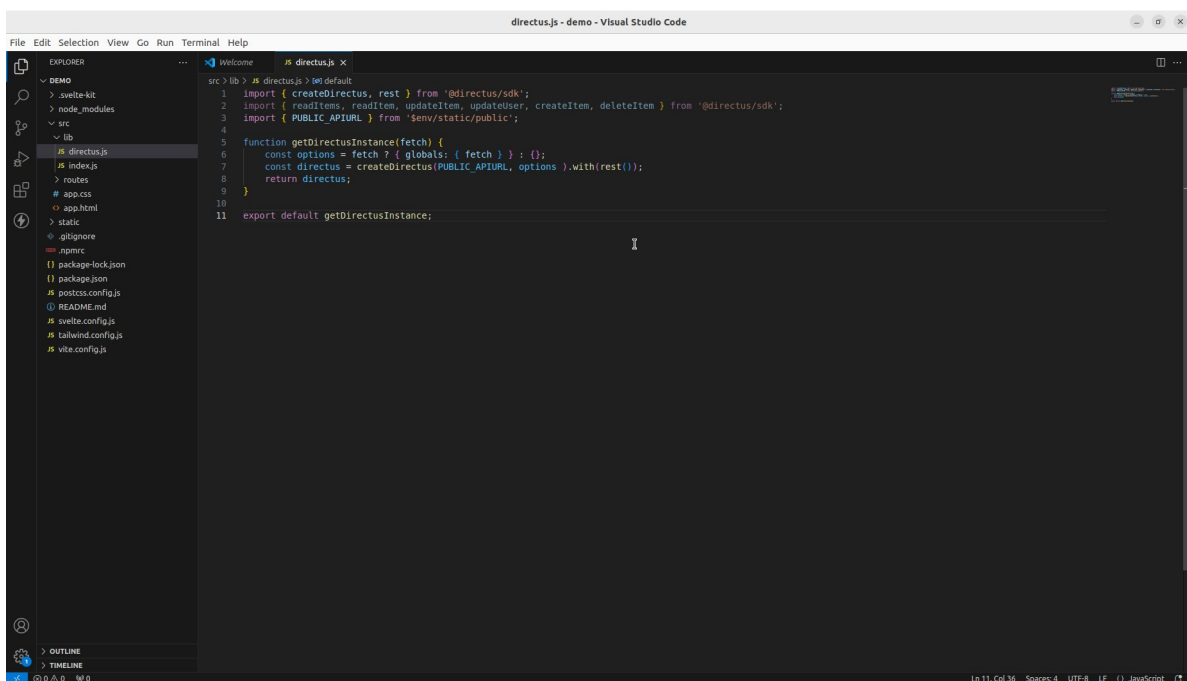
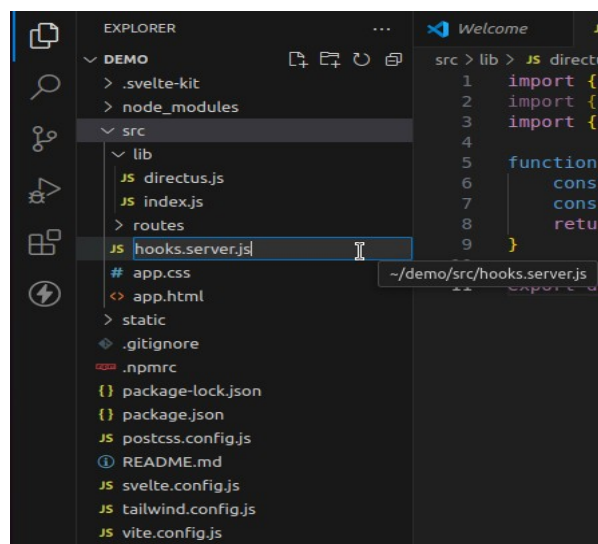Paste the following code in the 'directus.js' file:

```
import { createDirectus, rest } from '@directus/sdk';
import { readItems, readItem, updateItem, updateUser, createItem, deleteItem } from '@directus/sdk';
import { PUBLIC_APIURL } from '$env/static/public';

function getDirectusInstance(fetch) {
const options = fetch ? { globals: { fetch } } : {};
const directus = createDirectus(PUBLIC_APIURL, options ).with(rest());
return directus;
}

export default getDirectusInstance;
```
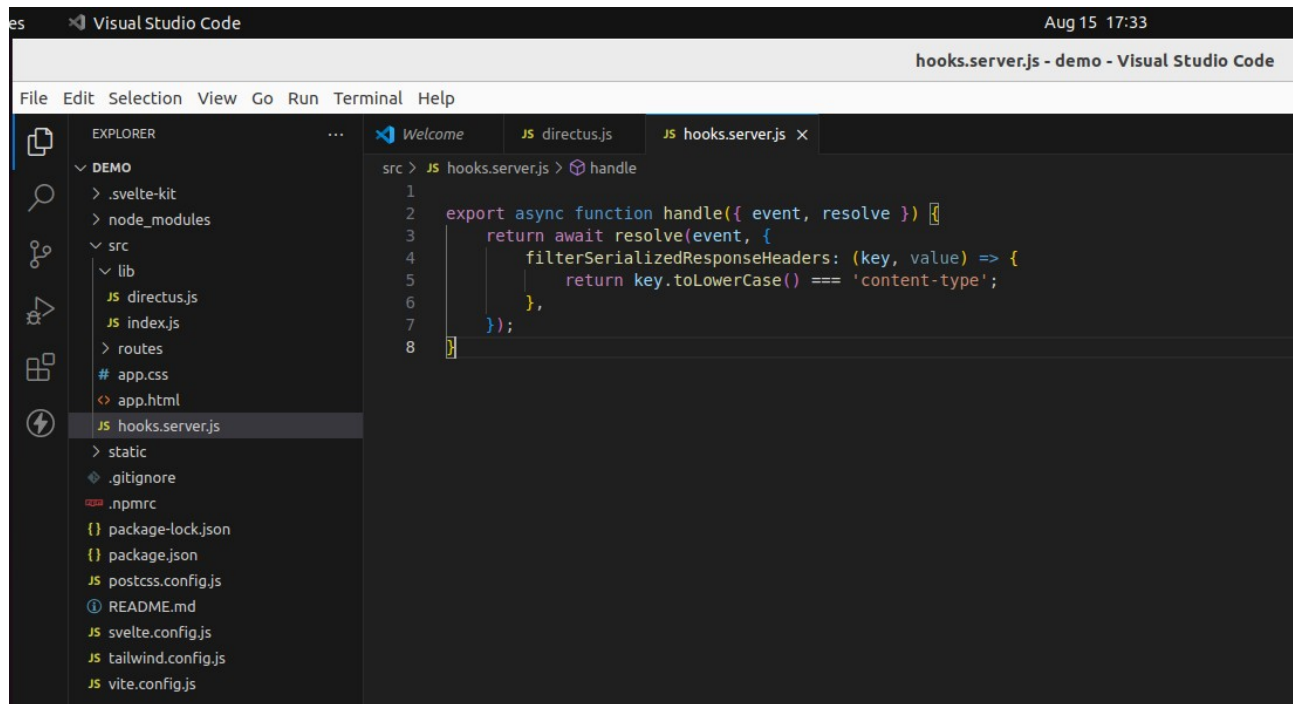

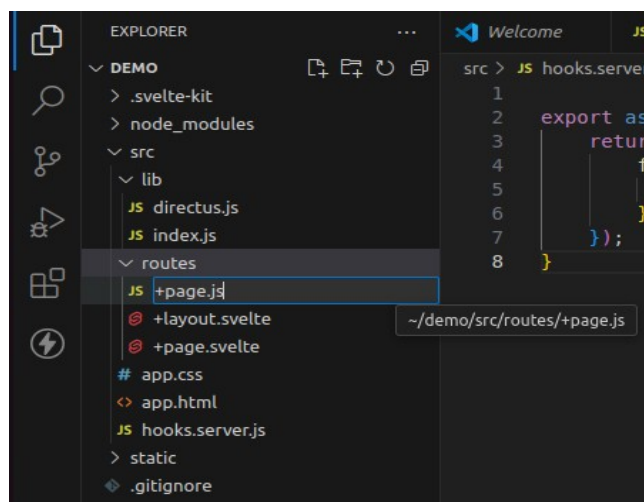**Step-14:** Now create 'hooks.server.js' file in the 'src' folder of your sveltekit app/folder

Paste the following code in the 'hooks.server.js' file:

```js
export async function handle({ event, resolve }) {
return await resolve(event, {
filterSerializedResponseHeaders: (key, value) => {
return key.toLowerCase() === 'content-type';
},
});
}
```


Step-15: Create a '+page.js' file in your routes folder locatied inside src folder of your project folder
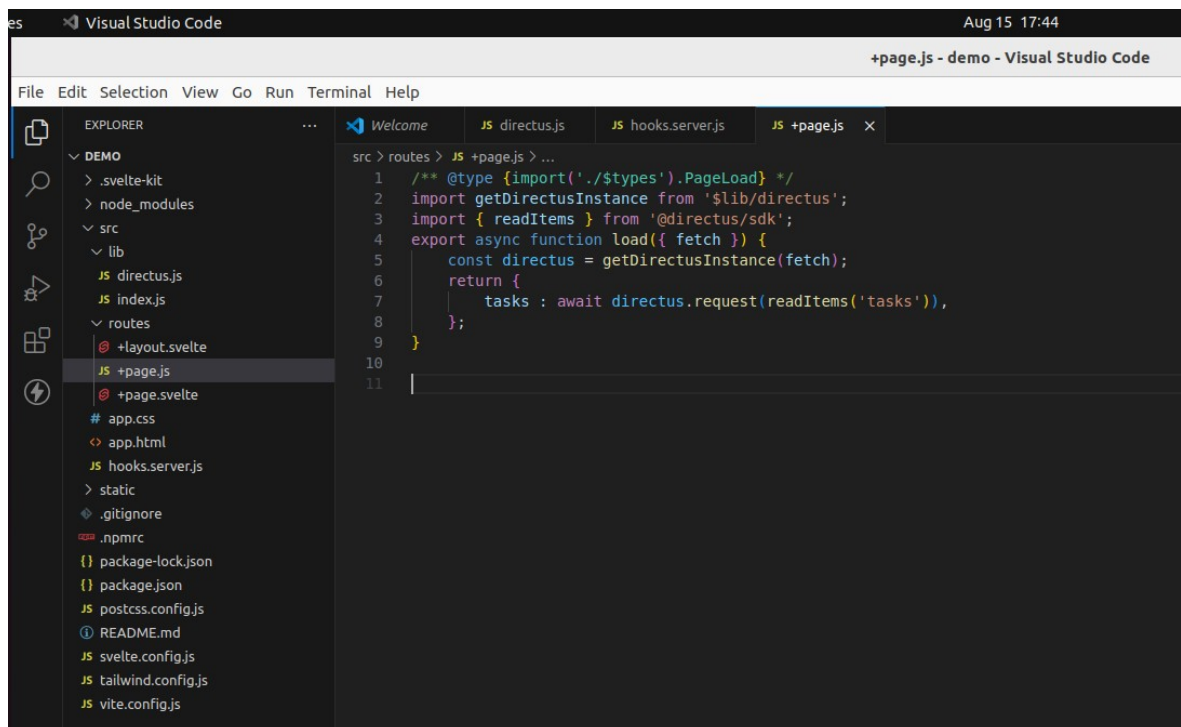
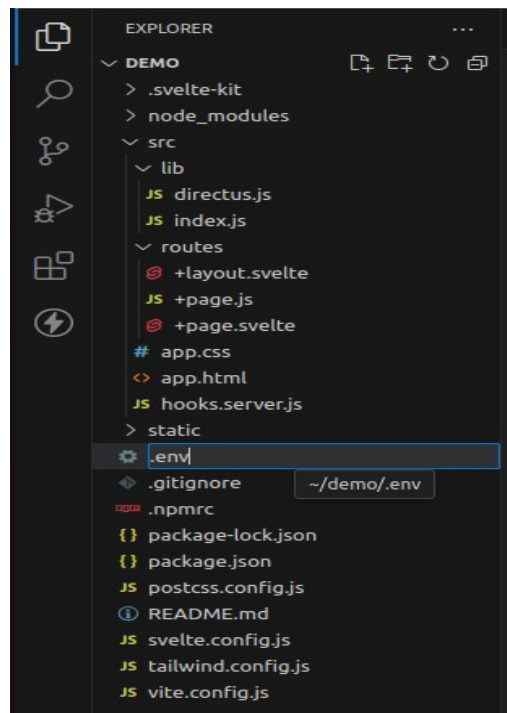Paste the following code in your +page.js folder:

```
/** @type {import('./$types').PageLoad} */
import getDirectusInstance from '$lib/directus';
import { readItems } from '@directus/sdk';
export async function load({ fetch }) {
const directus = getDirectusInstance(fetch);
return {
tasks : await directus.request(readItems('tasks')),
};
}
```

Note: in the above code 'tasks' refers to the tasks collection that we have created in the directus
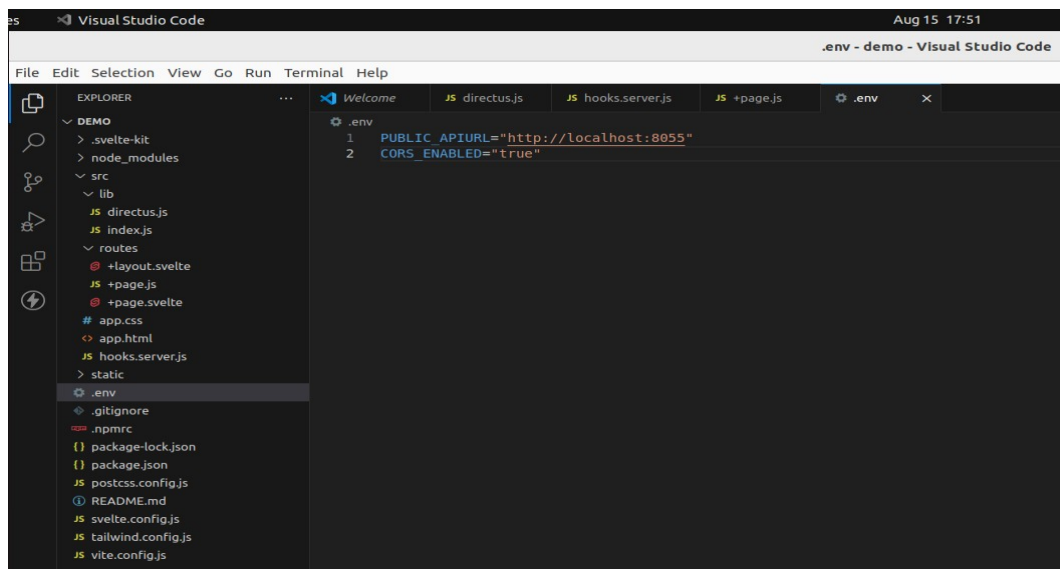setup.

Step-16: In the root of your sveltekit app folder create a '.env' file

Paste the following code in the '.env' file:

```
PUBLIC_APIURL="http://localhost:8055"
CORS_ENABLED="true"
```

Note: Here 'http://localhost:8055' is the url of our local directus server.

Step-17: That's it we have successfully configured our sveltekit app with directus API.

Step-18: Here i have also used 'axios' library for making HTTP requests. So install axios in your sveltekit app using 'npm install axios' command.

Step-19: with this we complete our Sveltekit installation and configuration with flowbite and directus.