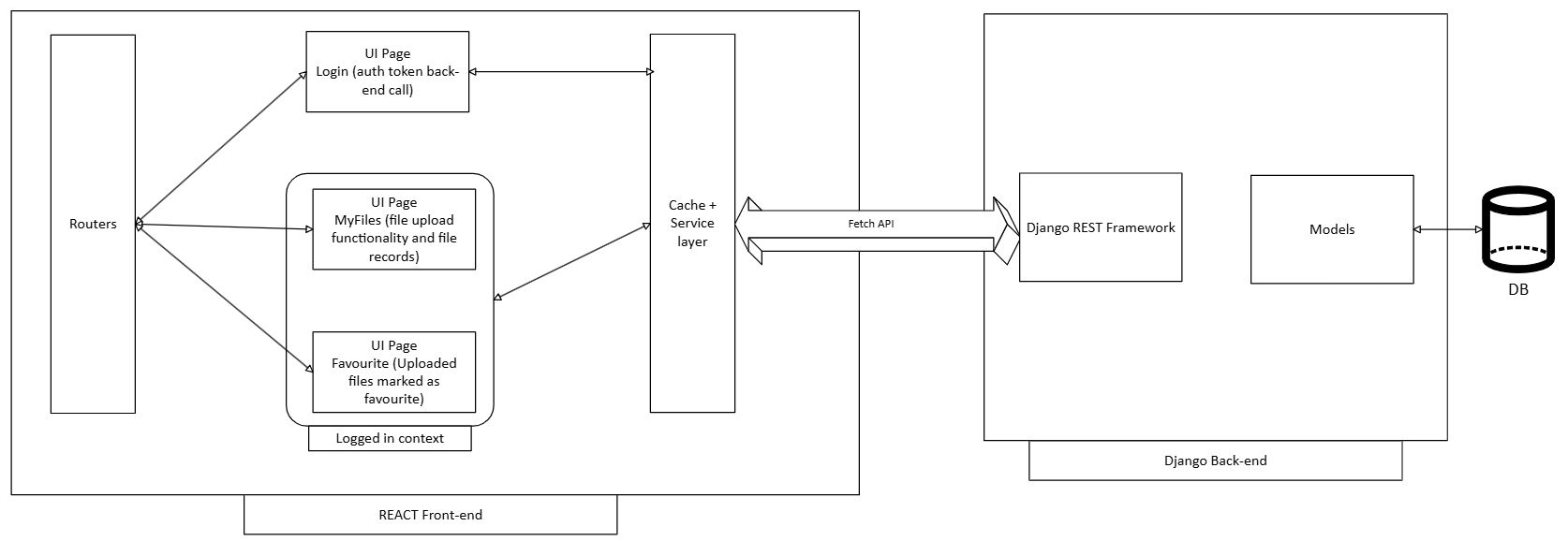
1. Technical architecture –

Frontend Typescript React application with Backend Django REST framework APIs



1. Technology details –
   1. Major tech versions
      1. React : "19.1.1"
      2. Typescript : "~5.6.2"
      3. vite : "^5.4.10"
      4. Django : 5.2.6
      5. Python 3.13.7
2. Requirement completion status –
   1. Front-end requirements

|  |  |
| --- | --- |
| Login Page with authentication | Completed |
| Subsequent route authentication | Completed |
| Logout | Add-on : Completed |
| My Files | 1. File Upload button : Completed 2. Uploaded file table : Completed 3. Pagination : Completed 4. Grid - View version : Completed 5. Grid - Download : Completed 6. Grid – Upload new version : Partially completed 7. Grid – Favorite : Completed |
| Favorite Page | Add-on : Completed |

* 1. Back-end requirements

|  |  |
| --- | --- |
| Login auth using Django REST | Completed |
| Store file at given URL | Completed |
| Store files of any type | Partially completed |
| Users cannot access files uploaded by others | Completed |
| Support for multiple versions of the same file at the same URL | Not started |
| Allow users to fetch any revision of a file | Not started |
| Provide an endpoint to retrieve a file using Content Addressable Storage | Partially completed |

1. Unit test cases –
   1. Login from front-end :
      1. Hit login url of react app - <http://localhost:5173/login>
      2. Default user in backend is user=admin, password=adminpassword
      3. Try with any test user – invalid username/password message should apprear.
      4. Try login with user=admin, password=adminpassword, app should allow login and redirect to my files page.
   2. Postman test : Login from back-end REST framework API use headers as below (with static token for user=admin) in POST call <http://127.0.0.1:8000/api/auth/login/>

Header :

Content-Type : application/json

Authorization : Token dca6586e977fed7eaa9f0f85ee01d4ba74f2e4aa

Body :

{

    "username": "admin",

    "password": "adminpassword"

}