

USER BROWSER

Frontend (React + Vite)

upload
Page

View
Page

Success
modal

API service layer
(Axios HTTP client)

HTTP (REST API)
JSON / Multipart

CORS

Backend (Node.js + Express)

Routes layer

upload
(POST)

(content
GET)

(download
GET)

middleware layer

Multer
(Files)

Validation

Error
Handler

controllers layer

upload
Controller

Create content
& Download
Controller

Utils layer

- link gen
- Data Helper

models Layer

- Database

Data Storage layer

SQLite Database

Tables:

- content
 - link_id
 - content_type
 - text_content
 - file_path
 - expiry date
 - - - -

filesystem (upload files)

- (uploads)
- file1.jpg
- file2.pdf
- ...