**Simple Use Case Analysis –**

**File Browser**

*version 1.0*

I need to be able to share specific folders on my PC over HTTP such that people can download individual files when I am sharing.

* I have full control to stop / start sharing anytime I want.
* I should specify the Directories I consent to share
* My friends should be able to open a page and traverse through directories

and download the files they need.

* Users can use Mobiles, not just PC
* As of now, anybody can download files from any directories

User

1. Users -
   1. Sharer [Application runs ONLY here]
   2. Downloader [No application other than a web browser must be needed]
2. The user (Sharerer) decides which FOLDERS to share
   1. For simplicity we take one folder now

Browser

Browser

Browser

Application Running on Server

\ CONNECTS OVER HTTP URL

Mobile Browser

Approaches:

1. Desktop Application
2. Dynamic Web application (traditional web tier)
3. API based Single Page Application
   1. Backend API
   2. Frontend Markup + Scripts
   3. AJAX
4. Secret now

What we will have learned while doing these:

1. Dynamic Web application - Java
   1. Servlet + JSP
2. AJAX (We already know of it but will know it better)
3. HTTP API - (aka REST API coarsely)
4. File directory traversing
   1. Java
   2. Python
   3. Rust
   4. Go
   5. DART
   6. Express Node
   7. Anything you like
5. HTTP Cycle

Servlet Structure of App

myApp

static files

static folders

WEB-INF

classes 🡪 Java .class files

lib -🡪 JAR files

web.xml 🡪 mapping etc.