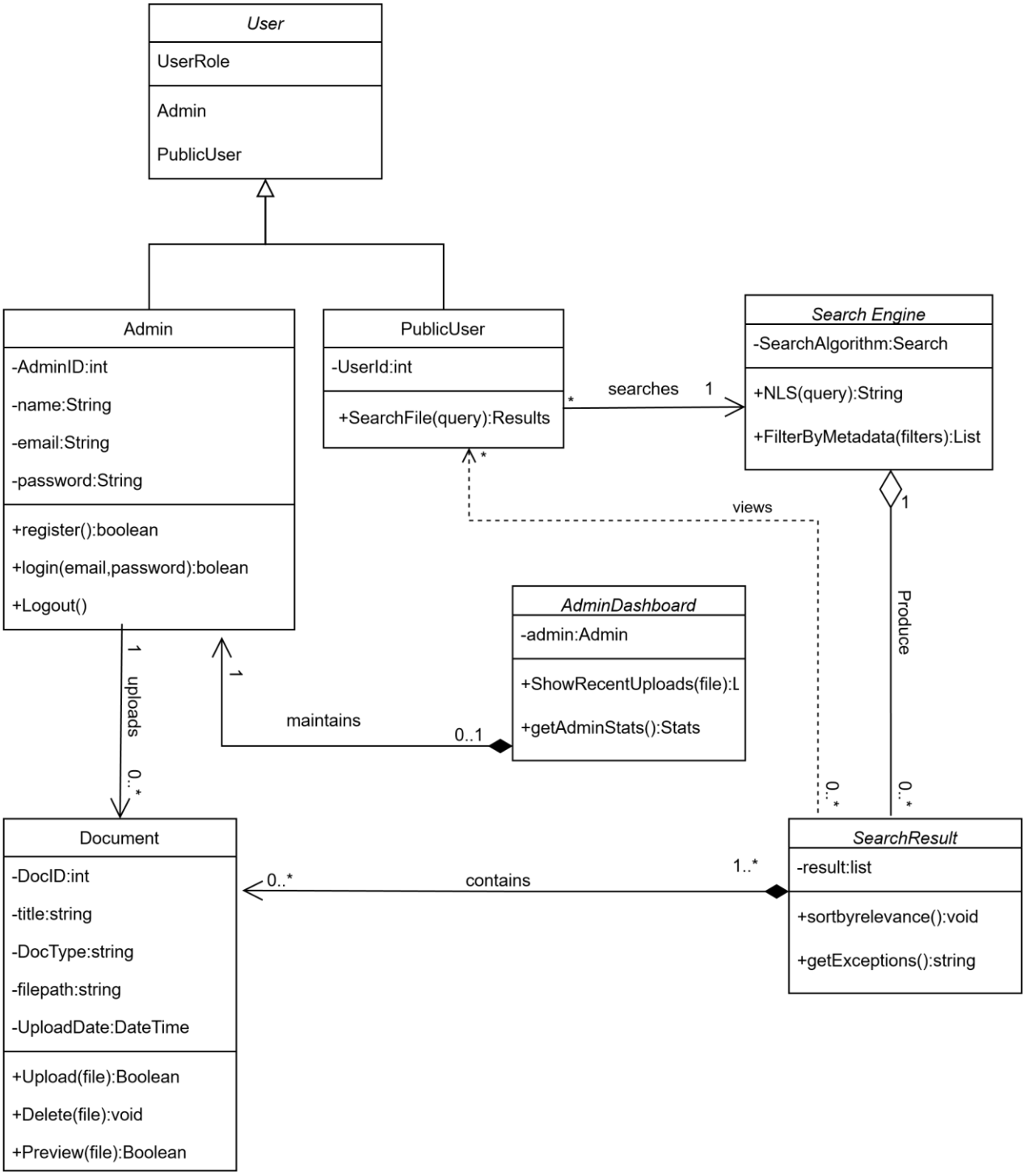
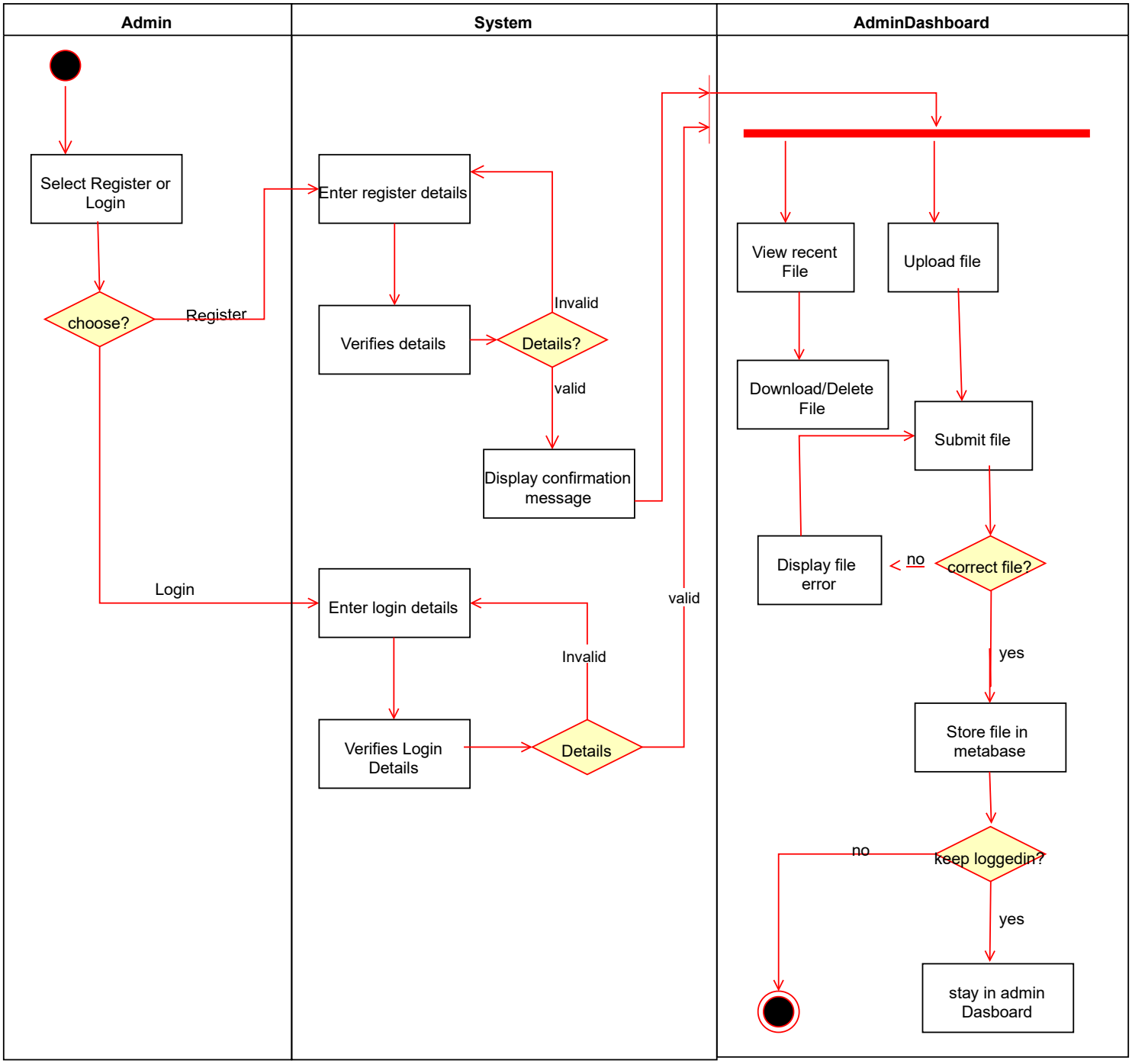
Sprint 2 UMLS

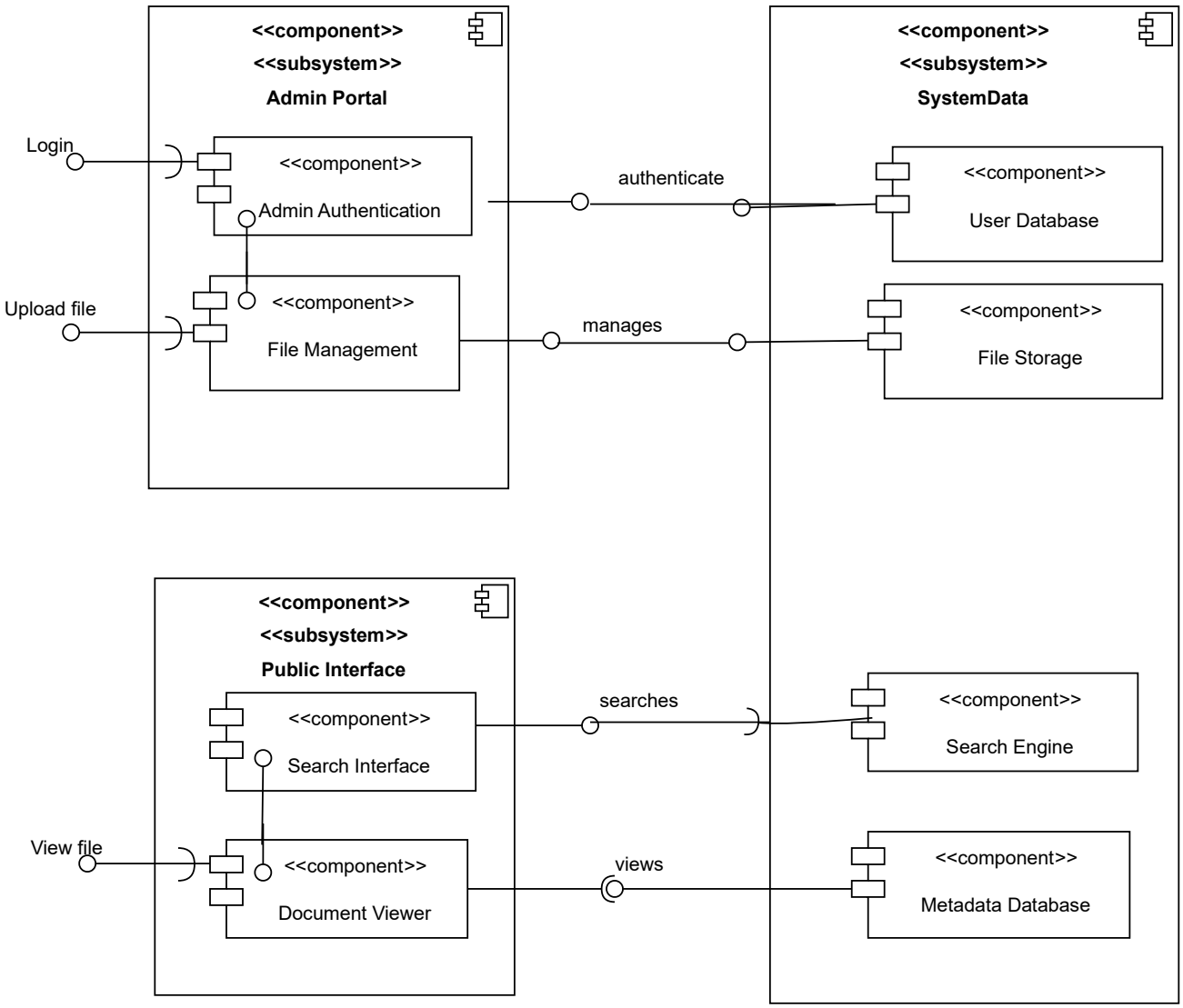
Logical View: Class Diagram



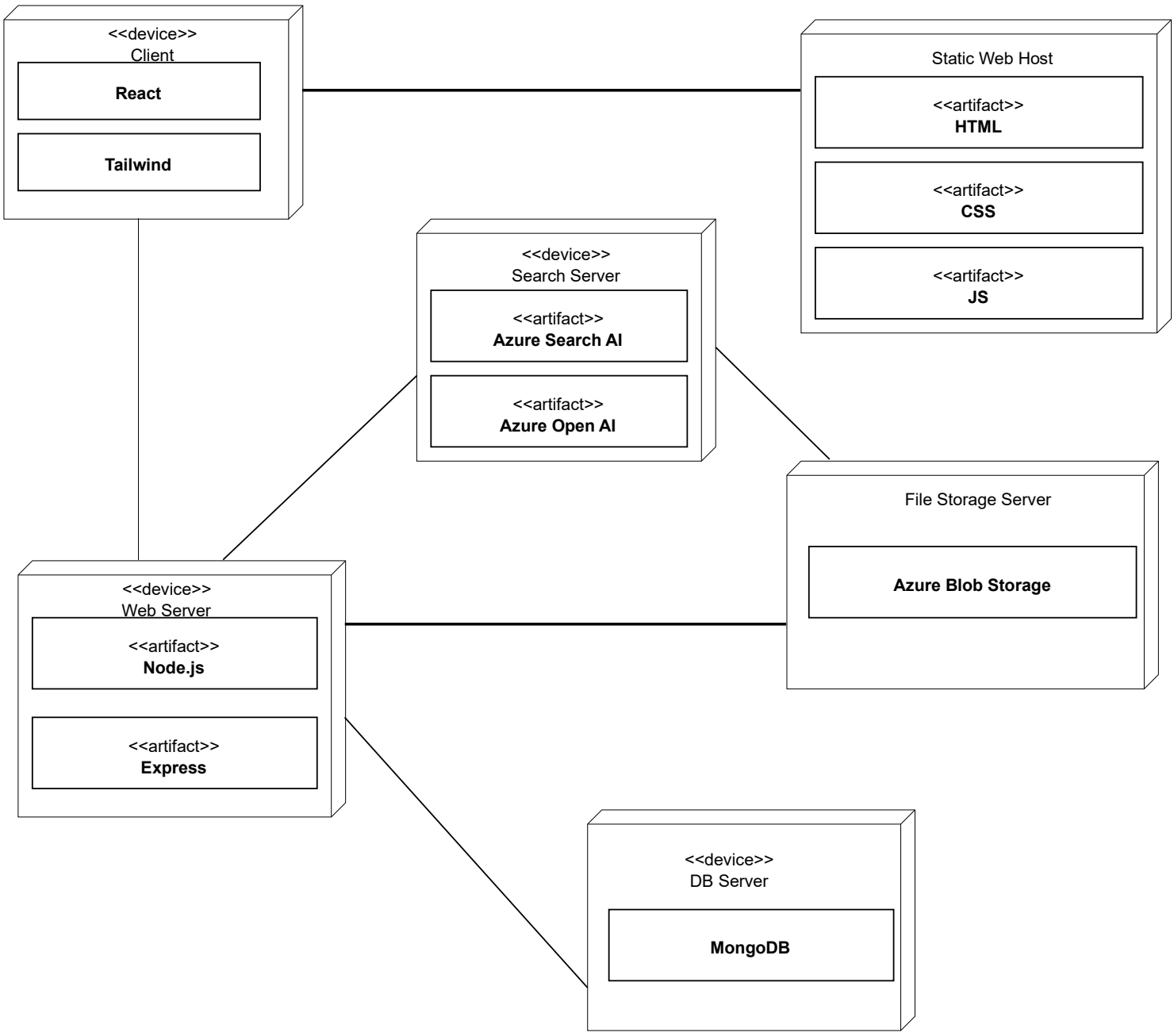
Process View: Activity Diagram



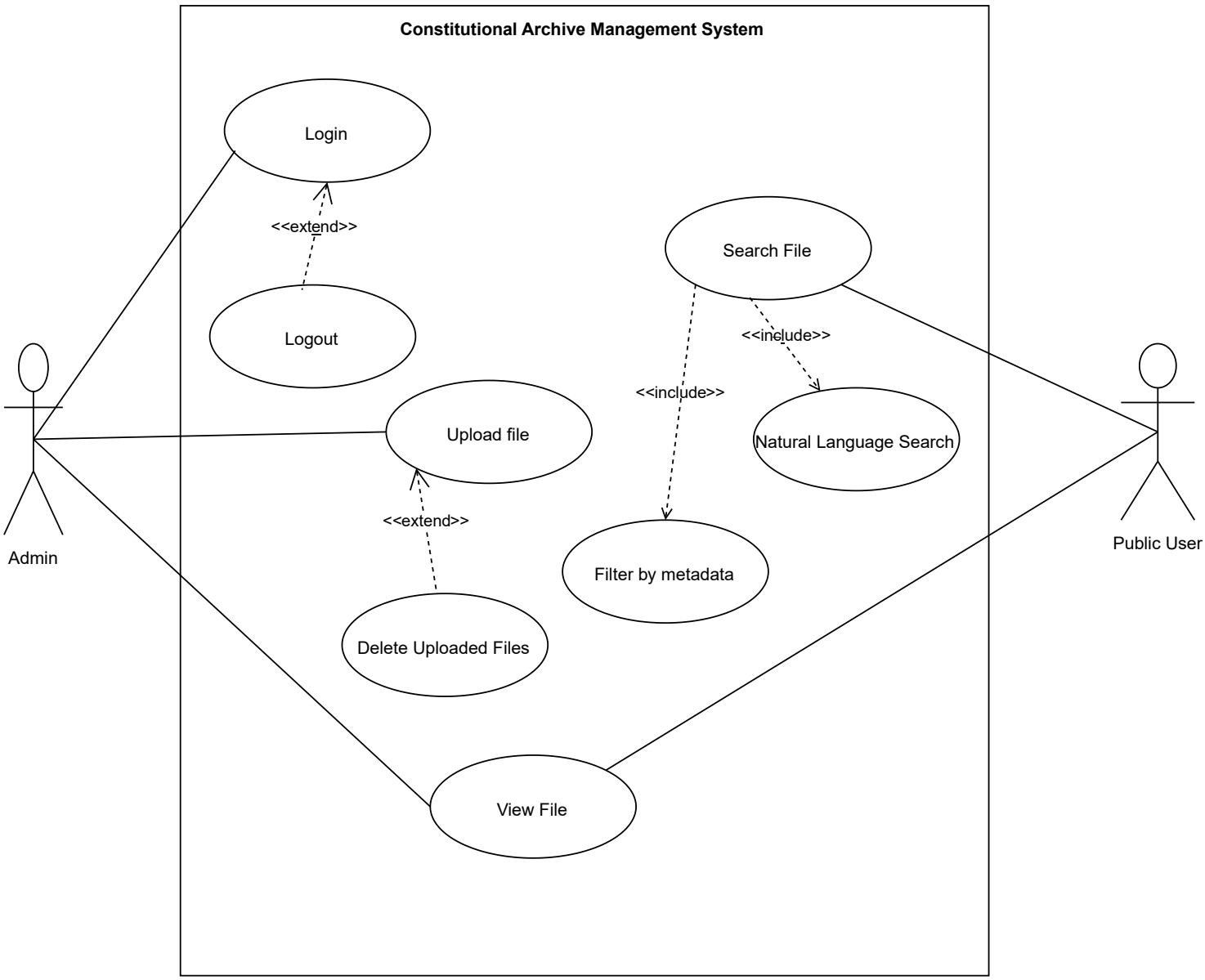
Development View: Component Diagram



Physical View: Deployment diagram

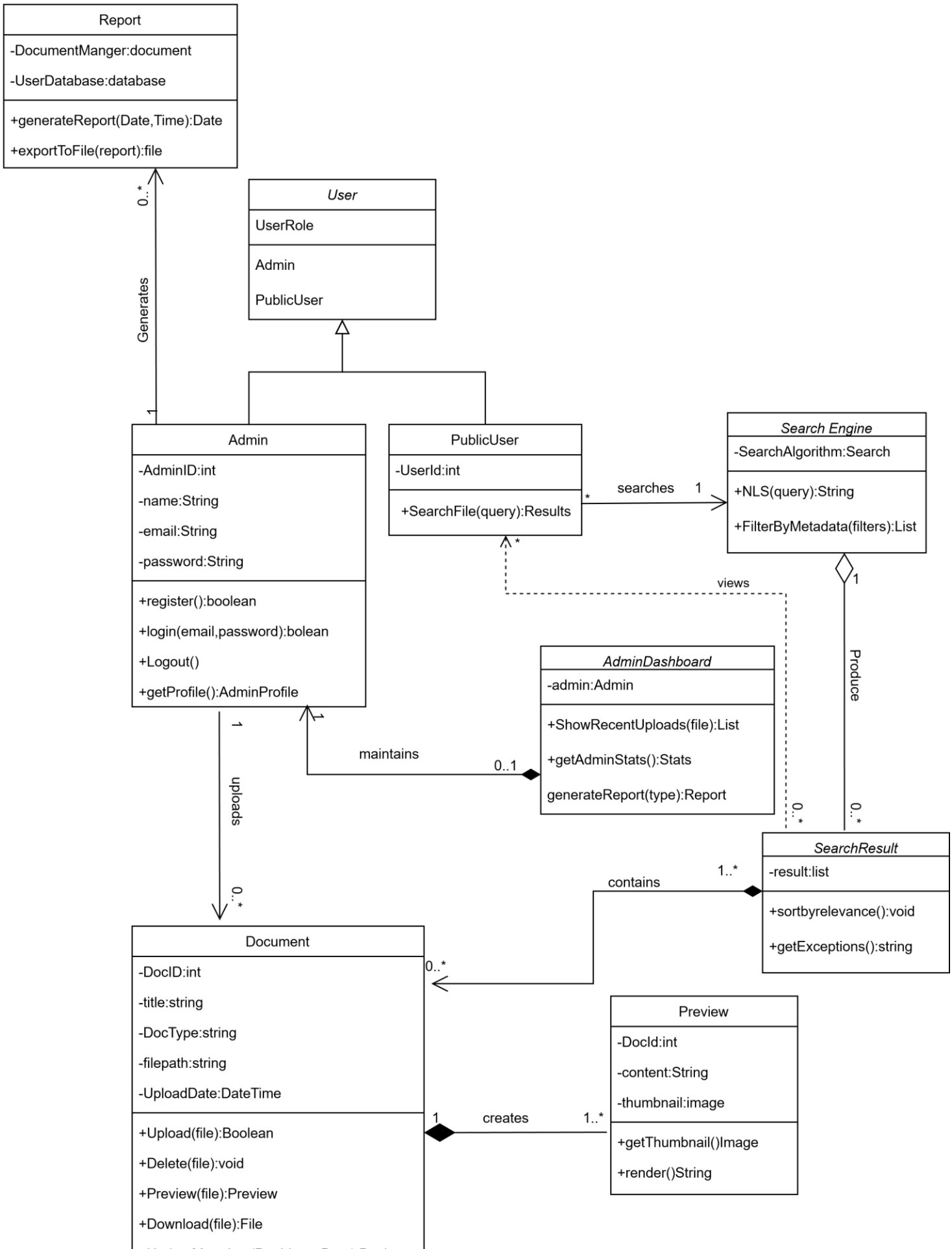


Scenario: Use Case Diagram

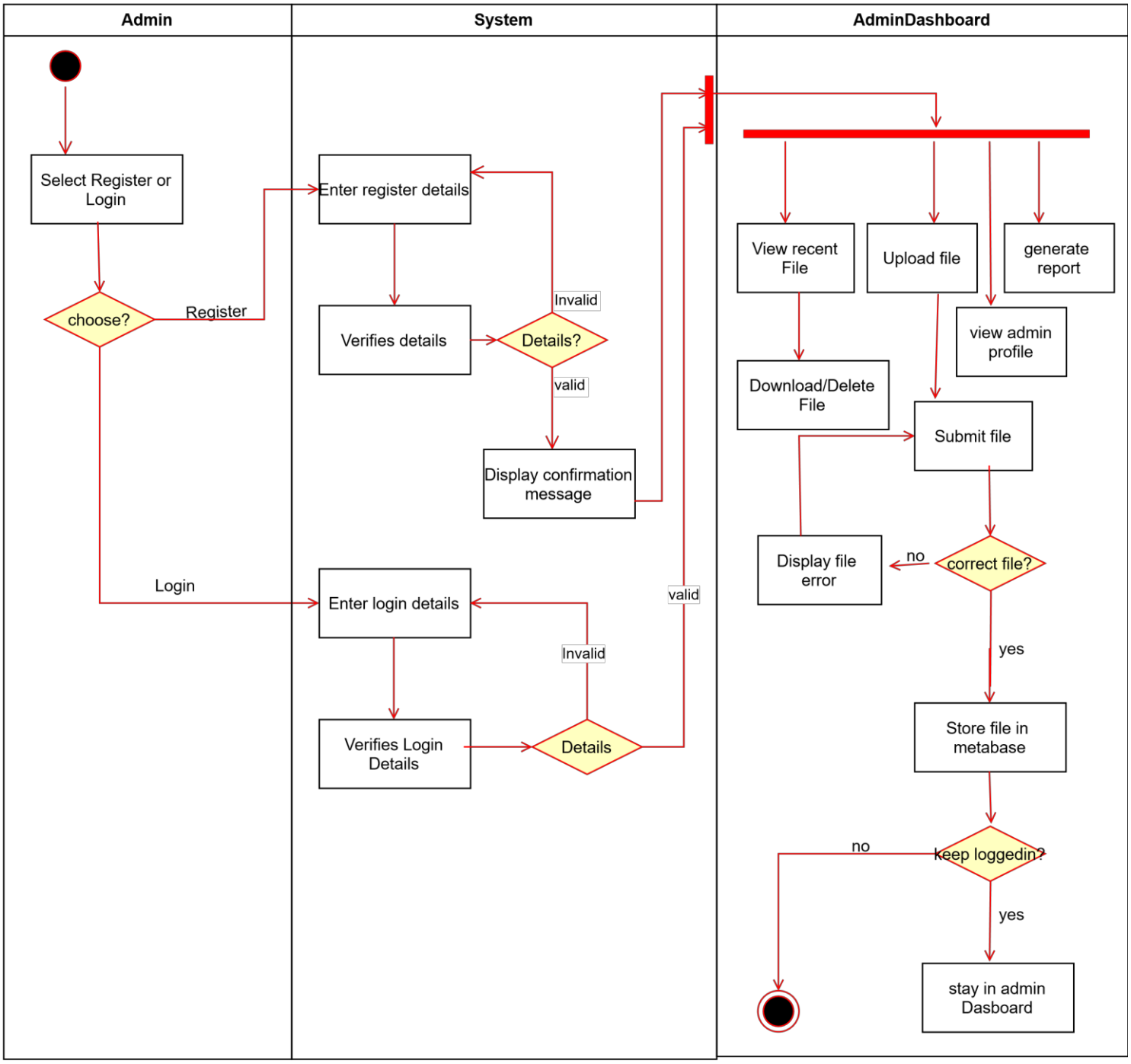


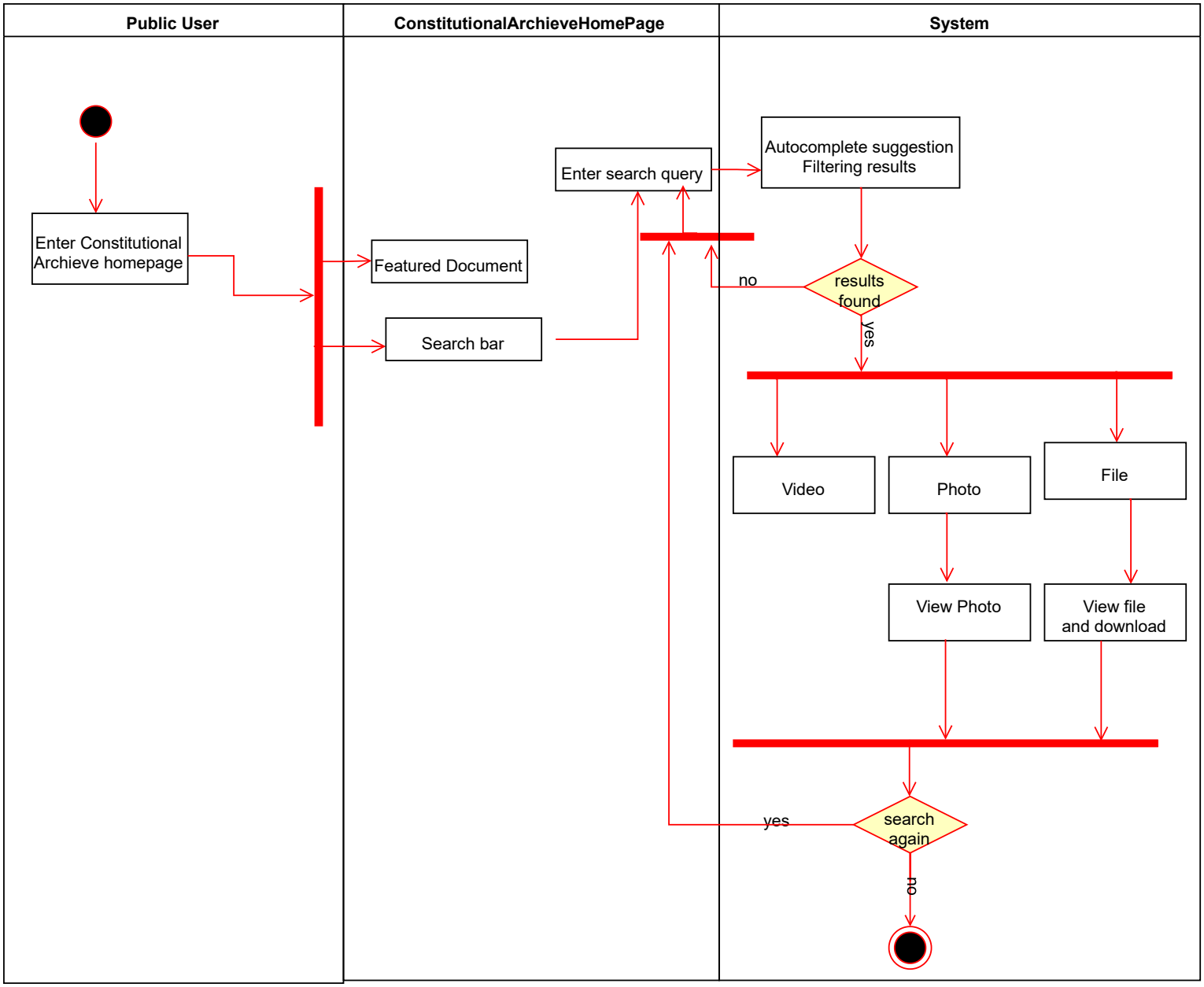
Sprint 3 UMLS

Logical View

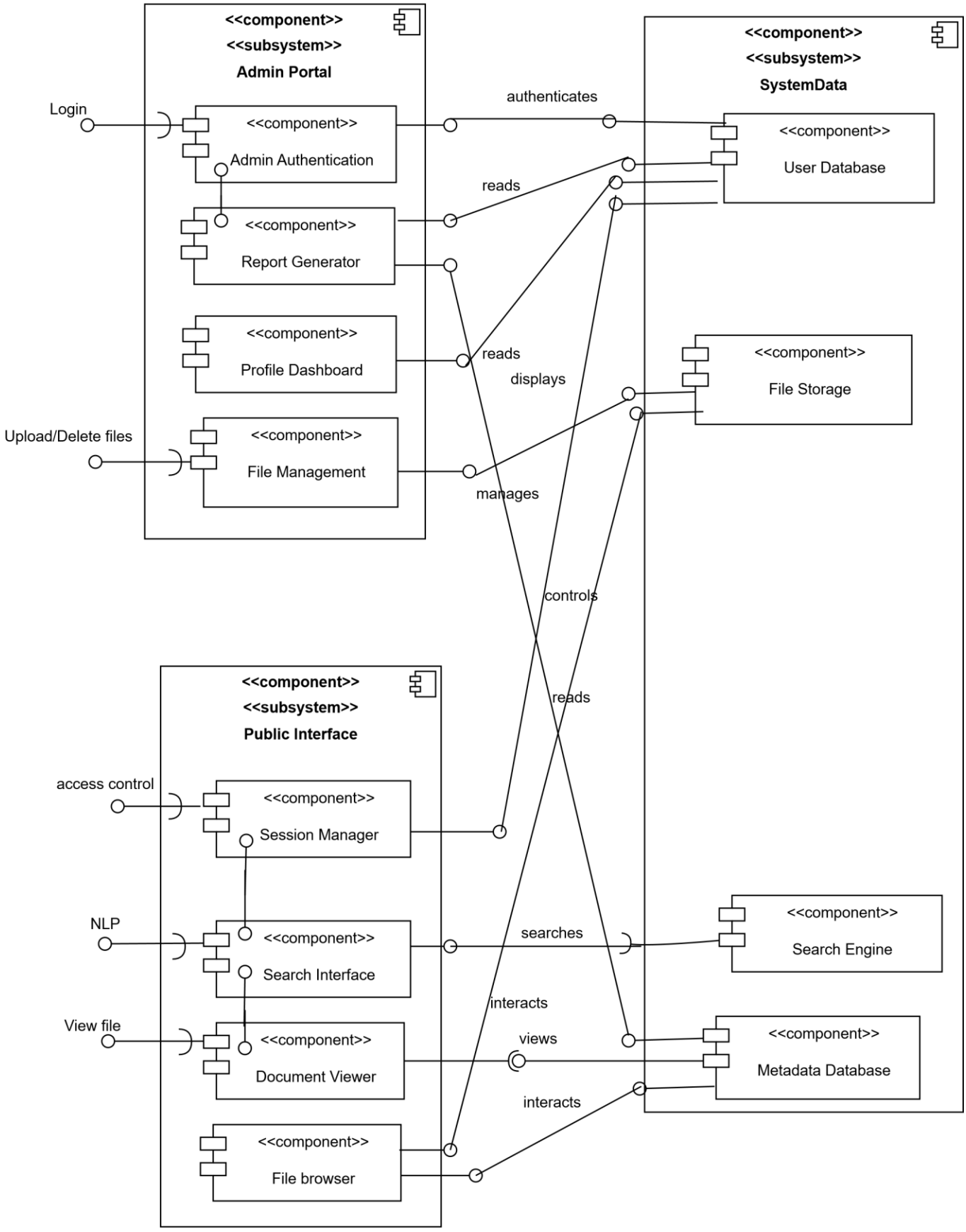

Report
-DocumentManger:document
-UserDatabase:database
+generateReport(Date,Time):Date
+exportToFile(report):file
0..*
Generates
1
User
UserRole
Admin
PublicUser
Admin
-AdminID:int
-name:String
-email:String
-password:String
+register():boolean
+login(email,password):bolean
+Logout()
+getProfile():AdminProfile
PublicUser
-UserId:int
+SearchFile(query):Results
*
searches
1
Search Engine
-SearchAlgorithm:Search
+NLS(query):String
+FilterByMetadata(filters):List
*
views
1
Produce
0..*
AdminDashboard
-admin:Admin
+ShowRecentUploads(file):List
+getAdminStats():Stats
generateReport(type):Report
1
maintains
0..1
1
uploads
0..*
SearchResult
-result:list
+sortbyrelevance():void
+getExceptions():string
1..*
contains
0..*
Document
-DocID:int
-title:string
-DocType:string
-filepath:string
-UploadDate:DateTime
+Upload(file):Boolean
+Delete(file):void
+Preview(file):Preview
+Download(file):File
Preview
-DocId:int
-content:String
-thumbnail:image
+getThumbnail()Image
+render()String
1
creates
1..*

Process Diagram

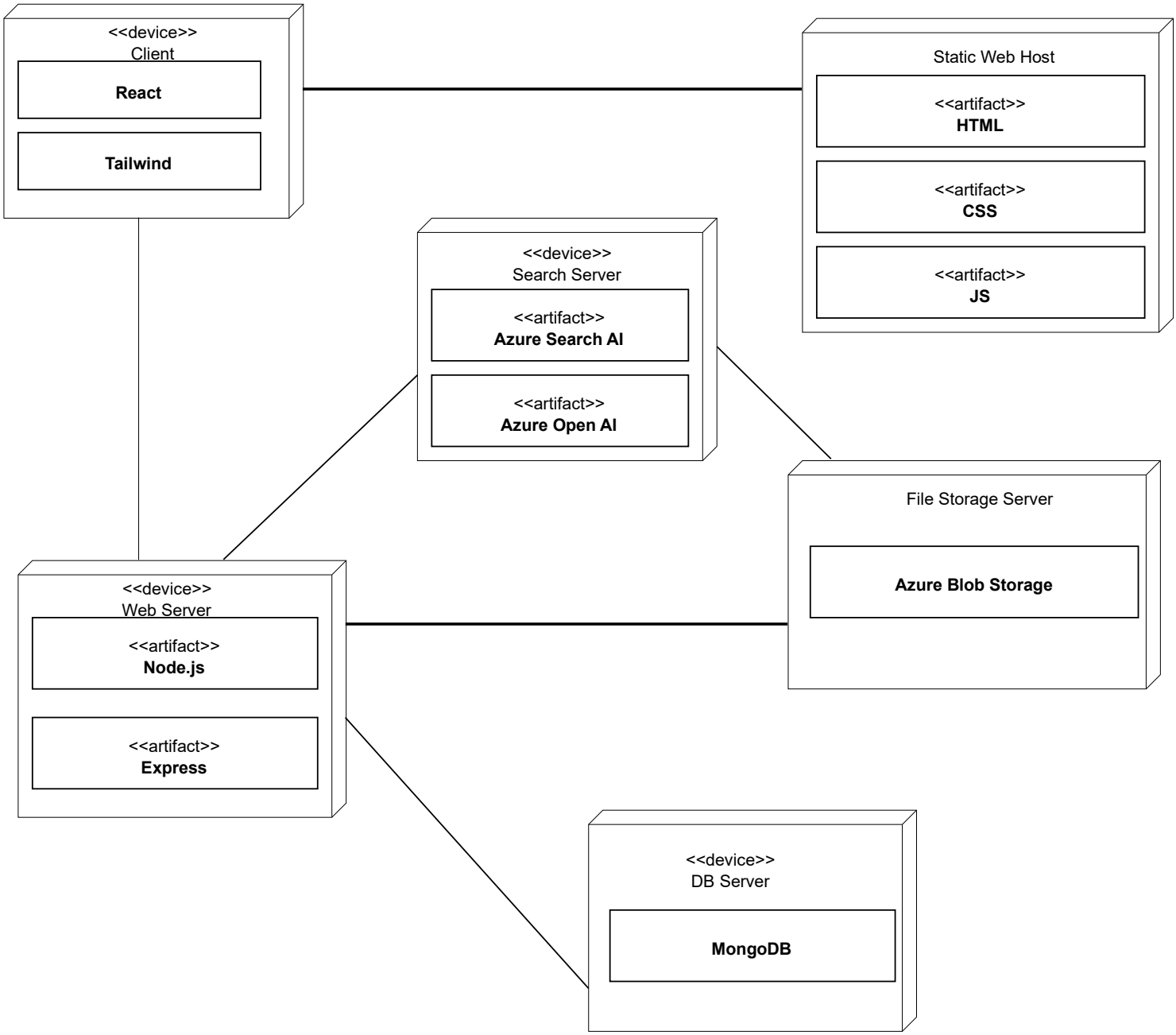




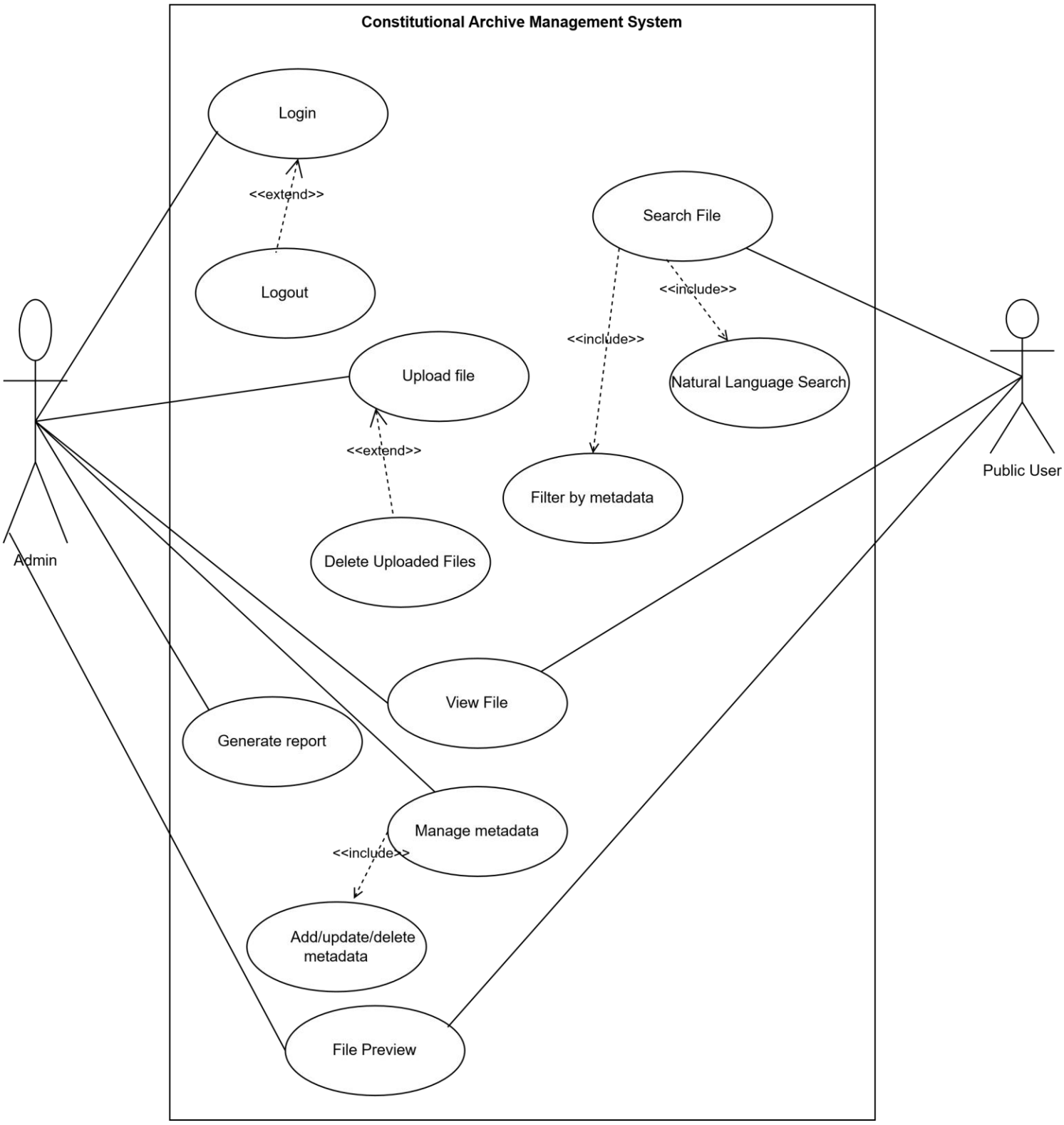
Development View


<<component>>
<<subsystem>>
Admin Portal
Login
<<component>>
Admin Authentication
<<component>>
Report Generator
<<component>>
Profile Dashboard
Upload/Delete files
<<component>>
File Management
authenticates
reads
reads
displays
manages
<<component>>
<<subsystem>>
SystemData
<<component>>
User Database
<<component>>
File Storage
controls
reads
<<component>>
<<subsystem>>
Public Interface
access control
<<component>>
Session Manager
NLP
<<component>>
Search Interface
View file
<<component>>
Document Viewer
<<component>>
File browser
searches
interacts
views
interacts
<<component>>
Search Engine
<<component>>
Metadata Database

Physical View

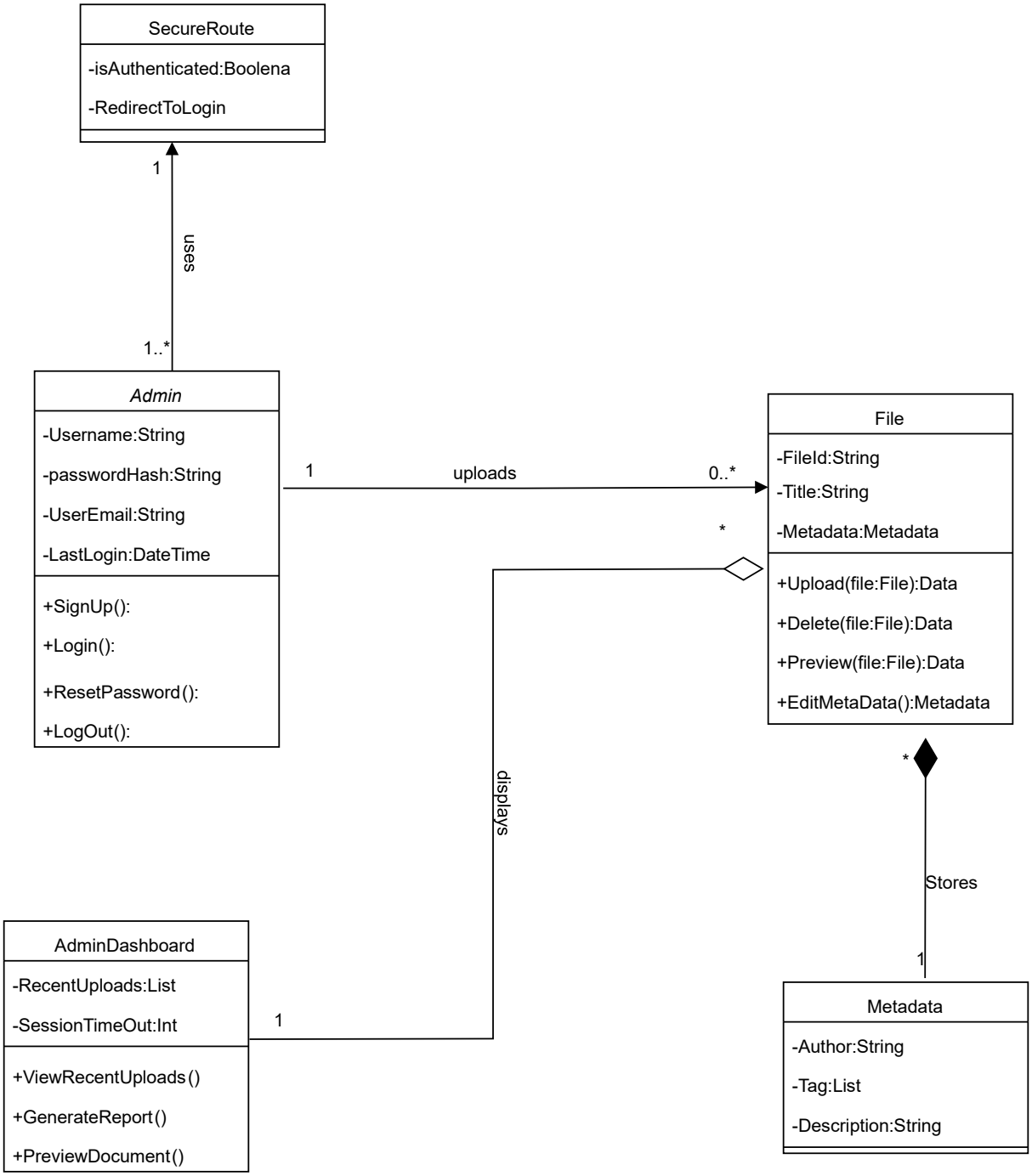


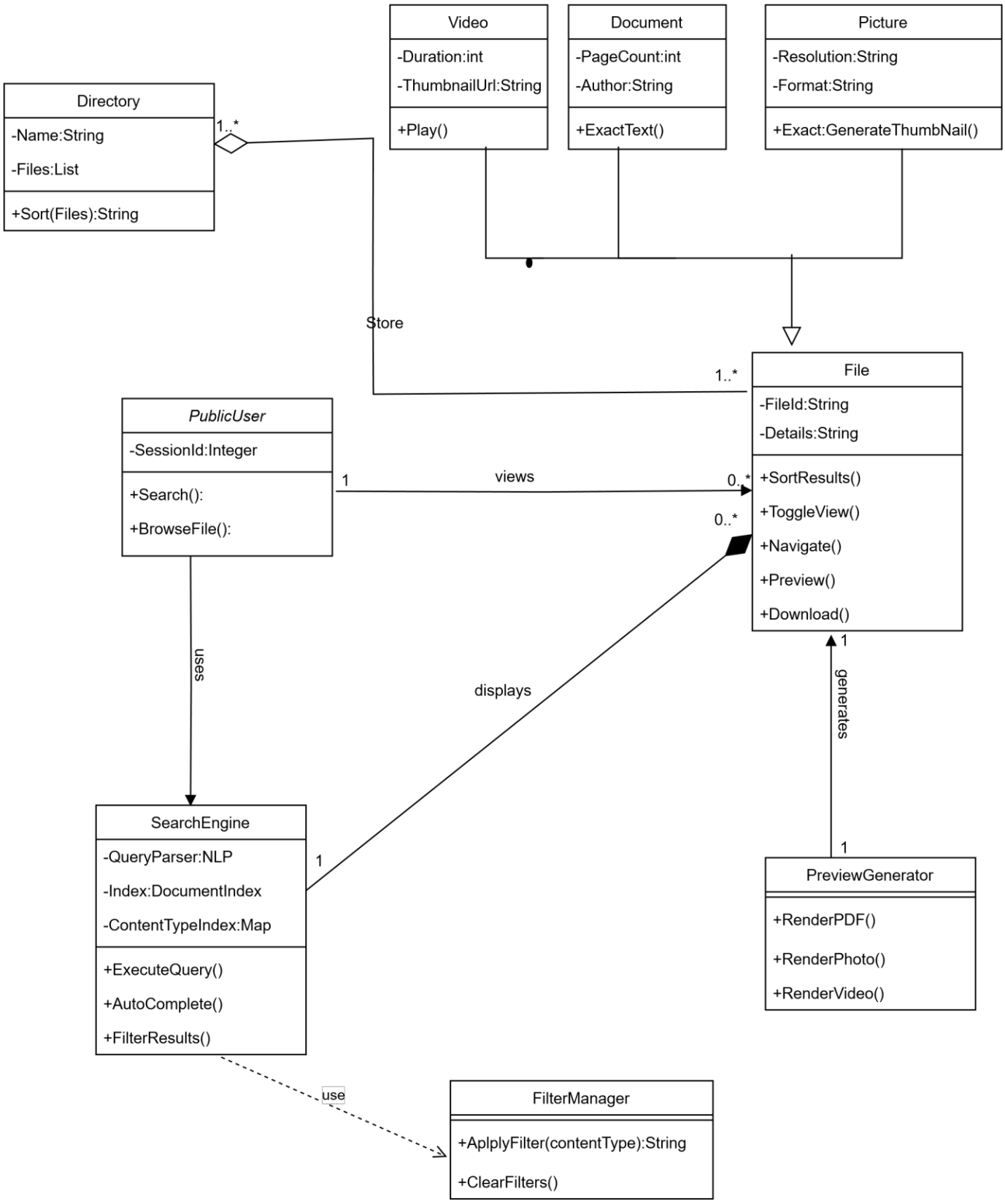
Scenario



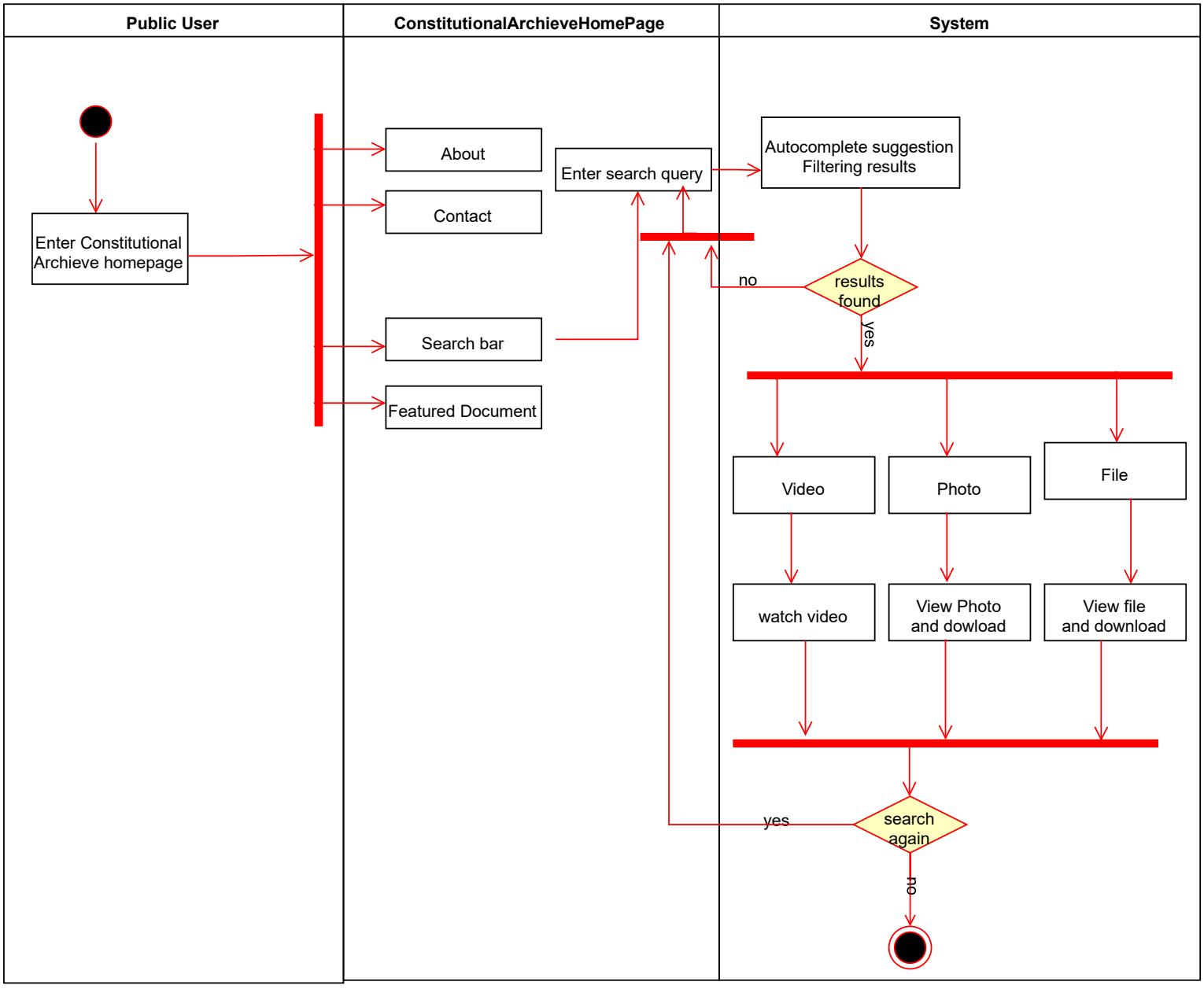
Sprint 4 UMLS

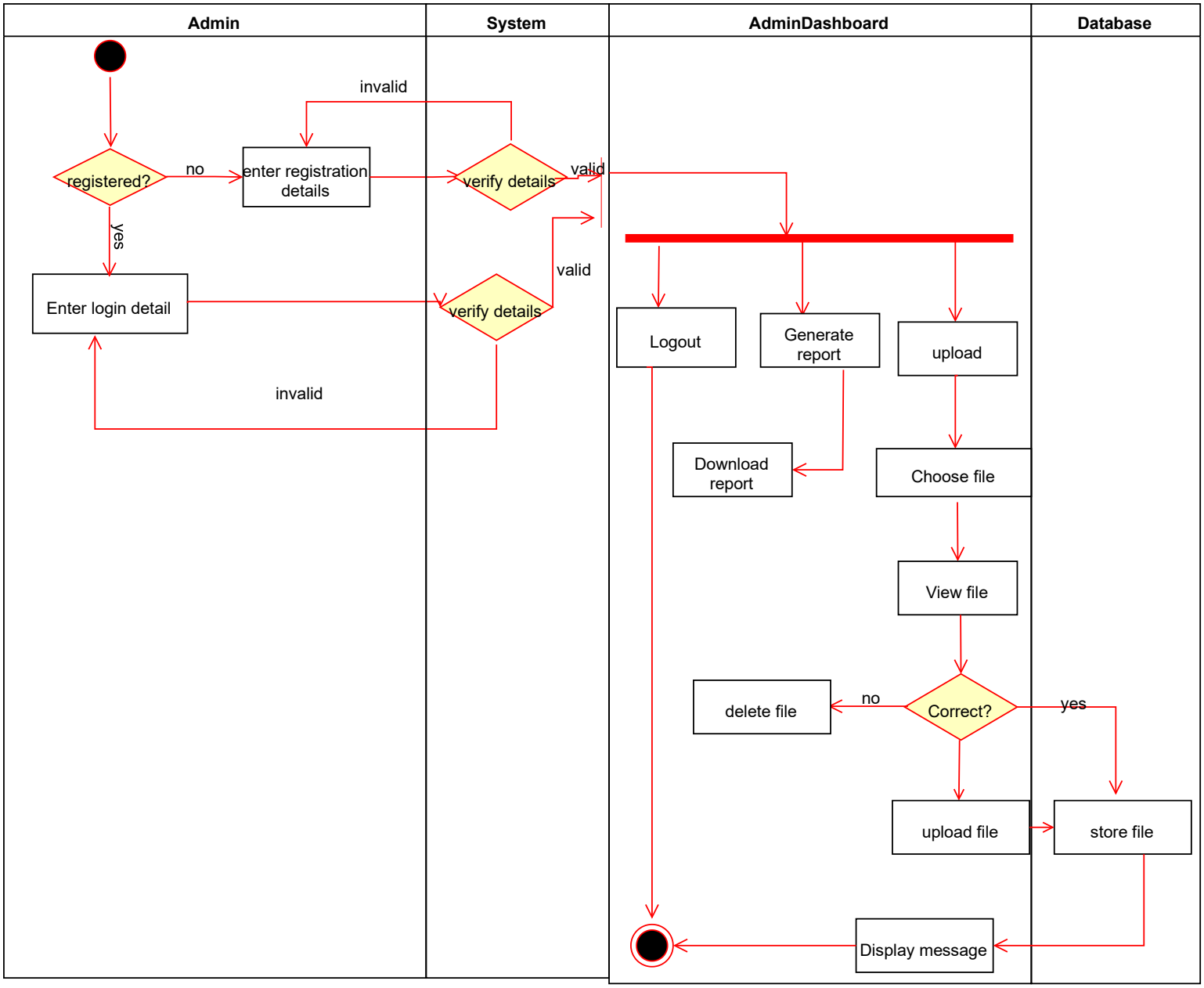
Logical View



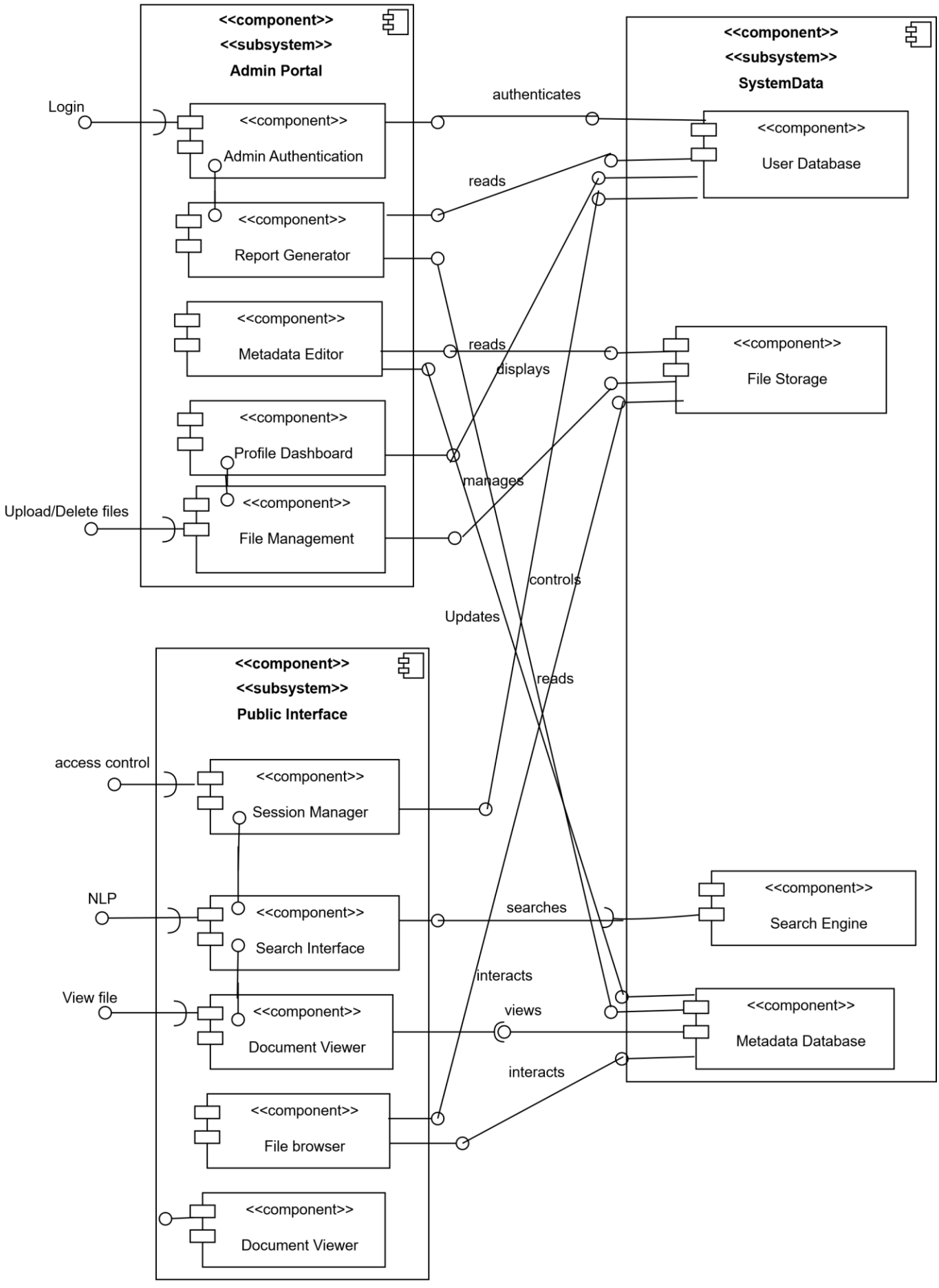

Video
-Duration:int
-ThumbnailUrl:String
+Play()
Document
-PageCount:int
-Author:String
+ExactText()
Picture
-Resolution:String
-Format:String
+Exact:GenerateThumbNail()
Directory
-Name:String
-Files:List
+Sort(Files):String
1..*
Store
1..*
File
-FileId:String
-Details:String
+SortResults()
+ToggleView()
+Navigate()
+Preview()
+Download()
PublicUser
-SessionId:Integer
+Search():
+BrowseFile():
1
views
0..*
0..*
sesn
displays
1
generates
SearchEngine
-QueryParser:NLP
-Index:DocumentIndex
-ContentTypeIndex:Map
+ExecuteQuery()
+AutoComplete()
+FilterResults()
1
1
PreviewGenerator
+RenderPDF()
+RenderPhoto()
+RenderVideo()
use
FilterManager
+AplplyFilter(contentType):String
+ClearFilters()

Process Diagram

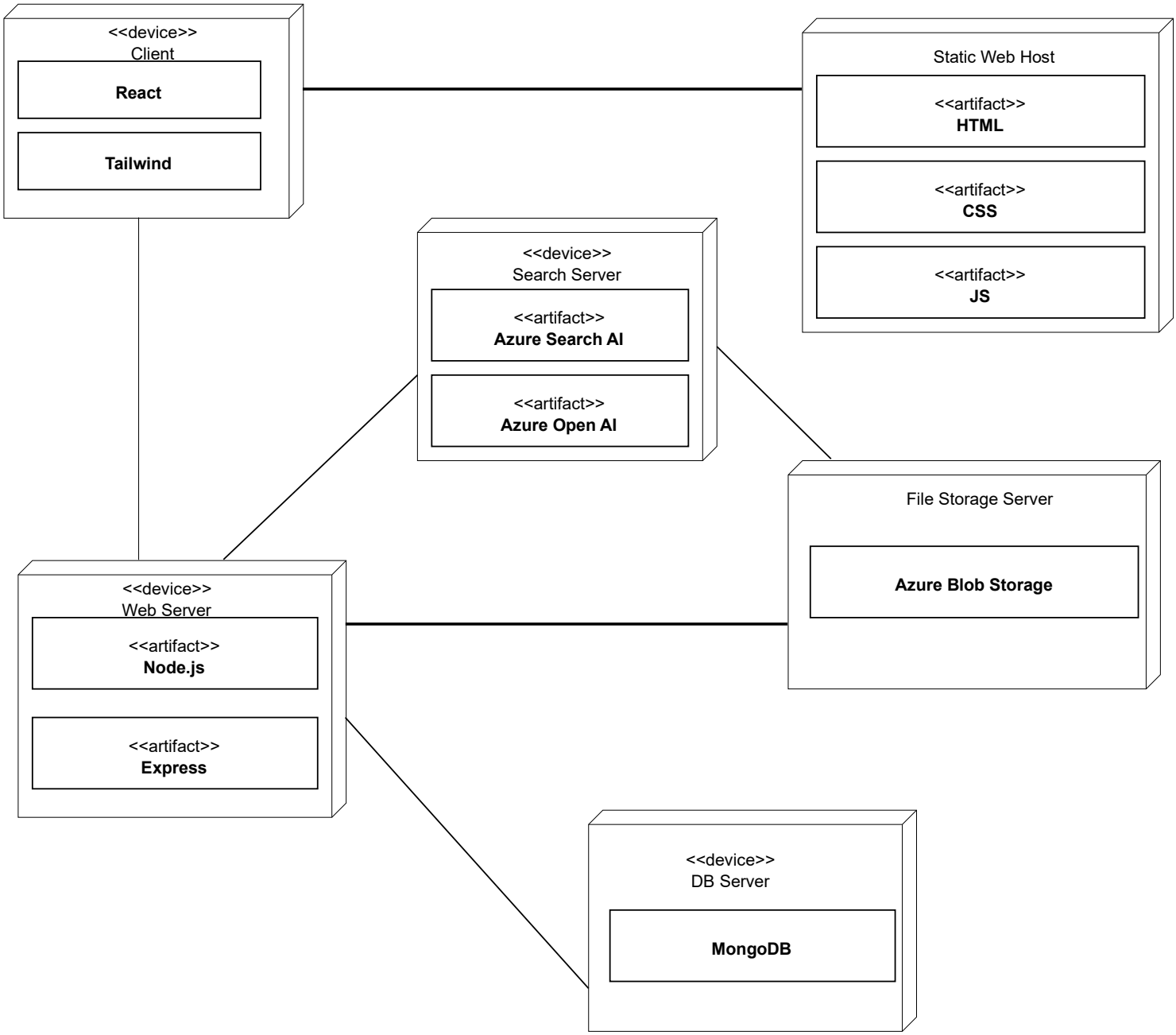




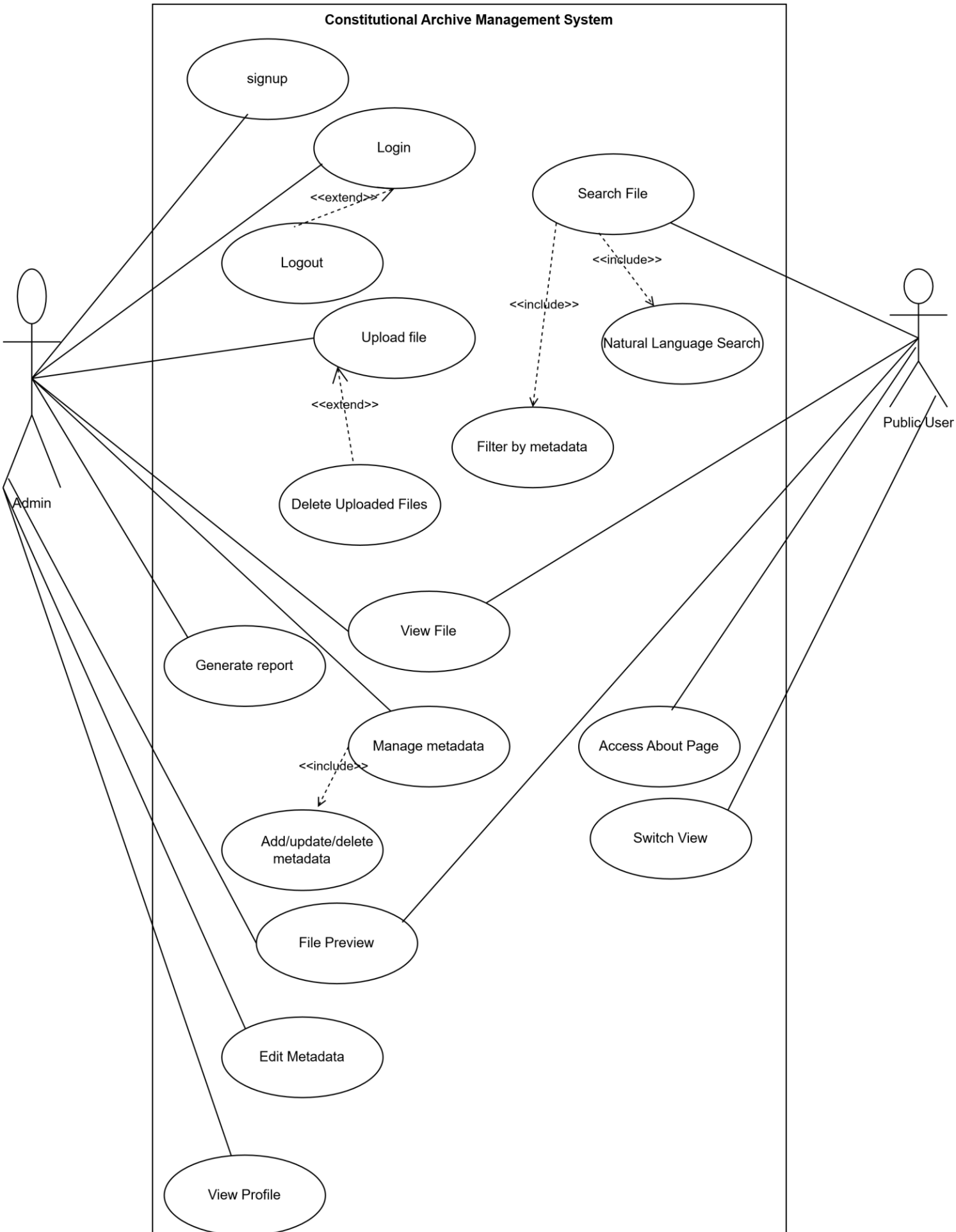
Development Diagram


<<component>>
<<subsystem>>
Admin Portal
Login
<<component>>
Admin Authentication
<<component>>
Report Generator
<<component>>
Metadata Editor
<<component>>
Profile Dashboard
Upload/Delete files
<<component>>
File Management
authenticates
reads
reads
displays
manages
controls
Updates
reads
<<component>>
<<subsystem>>
SystemData
<<component>>
User Database
<<component>>
File Storage
<<component>>
Search Engine
<<component>>
Metadata Database
<<component>>
<<subsystem>>
Public Interface
access control
<<component>>
Session Manager
NLP
<<component>>
Search Interface
View file
<<component>>
Document Viewer
<<component>>
File browser
<<component>>
Document Viewer
searches
interacts
views
interacts

Physical View



Scenario


Constitutional Archive Management System
signup
Login
<<extend>>
Logout
Search File
<<include>>
<<include>>
Natural Language Search
Upload file
<<extend>>
Filter by metadata
Delete Uploaded Files
Admin
Public User
View File
Generate report
Manage metadata
<<include>>
Access About Page
Add/update/delete metadata
Switch View
File Preview
Edit Metadata
View Profile