**1. HOME COMPONENT - Parent Component**

* Home Route file-

Containing a parent route 🡪

a)/home(component-Home Component)

Containing two child routes 🡪

a)/studentlogin(component-login Component)

b)/adminlogin(component-login Component)

* Home Component.html(Render Home Page containing student login and admin login button)

**1.1 Account Folder-**

**Account.model.ts-**

**a.**Student Model.ts-

Containing🡪Student Model parameters-credentials (username & password),student id,name.contact

**b.**Admin Model.ts-

Containing🡪Admin Model parameters-credentials (username & password)

**1.2 Login Component (Admin & Student) (route-/studentlogin or /adminlogin)**

* Login Component.html (Render Page depending on route)
* Login Service file (login functionality of admin as well as student )
* Login Route File

Containing a route 🡪

/home (component-Home Component)

**1.3 Examination Section Component (Student)-Child Component(route-/examinationsection)**

* Examinationection Component.html (Render Examination Section Page and pre-populate fields with data from Student Model Parameters [from Login Model File])
* Examination Service.ts file(access student’s name and id from student model,subject name etc.)
* Next button will direct to route- ‘/rules’
* Examination Model.ts

parameters-subject name,time alloted,total questions,branch name,date

**1.4 RulesComponent (Admin & Student) (route-/rules)**

* Rules Model.ts-

Parameters-rule no.,rule

* Rules Component.html (Render Page with rules from database)

**1.5 Admin Section Component (route-/adminsection)**

* Adminsection Component.html (Render AdminSection Page with access to add and update functionalities)
* Admin Services-
* Add Student(Registration functionality)

Parameters-students id,name,username,contact

* Update Student

Parameters-students id,name,username,contact

* Add Question

Parameters-subject name,id,paper set,question,answer,author,options

* Update Question

Parameters-subject name,id,paper set,question,answer,author,options

* Add Rules

Parameters-subject name,id,paper set,question,answer,author,options

* Update Rules

Parameters-subject name,id,paper set,question,answer,author,options

**Student Folder-**

**1.5.1 Add Student Component-**

* Refer Admin Services for registration functionality
* Add Student.html(send data through form)

**1.5.2 Update Student Component-**

* Refer Admin Services for update functionality
* UpdateStudent.html(send updated data through form)

**Question Folder-**

Question.model.ts→Parameters-subject name,id,paper set,question,answer,author,options

**1.5.3 Add Question Component-**

* Refer Admin Services for adding question functionality
* AddQuestion.html(send data through form)

**1.5.4 Update Question Component-**

* Refer Admin Services for updating question functionality
* UpdateQuestion.html(send updated data through form)

**Rules Folder-**

**1.5.1 Add Rules Component-**

* Refer Admin Services for adding rules functionality
* Add rules.html(send data through form)

**1.5.2 Update Rules Component-**

* Refer Admin Services for update functionality
* Updaterules.html(send updated data through form)