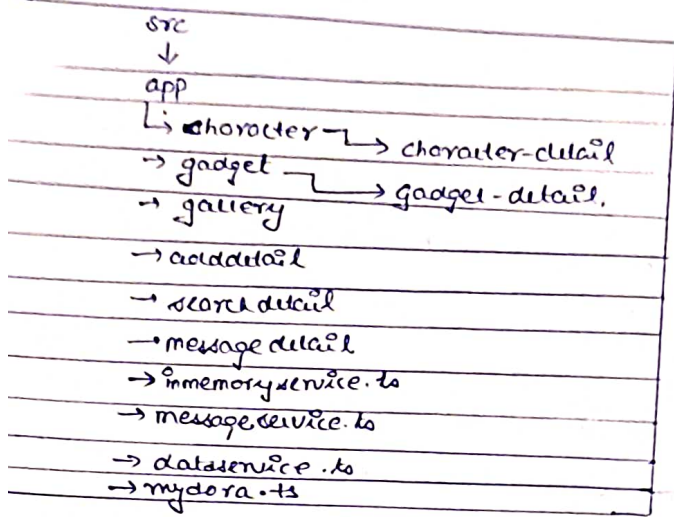


- Q1. Provide a concise summary of the projects, outlining their features and the technology stack employed. (11)
- Q2. Illustrate through a diagram the various components of the system & elucidate user navigation between them, detailing data bindings. (25)
- Q3. Elaborate on the implementation of services, to furnish data to different components, accompanied by a diagram for clarification. (23)
- Q4. Describe the utilization of HttpClient and InMemoryWebApi service for diverse CRUD operations, supported by a diagram for enhanced understanding. (21)
- Q5. Complete Diagram. (20)

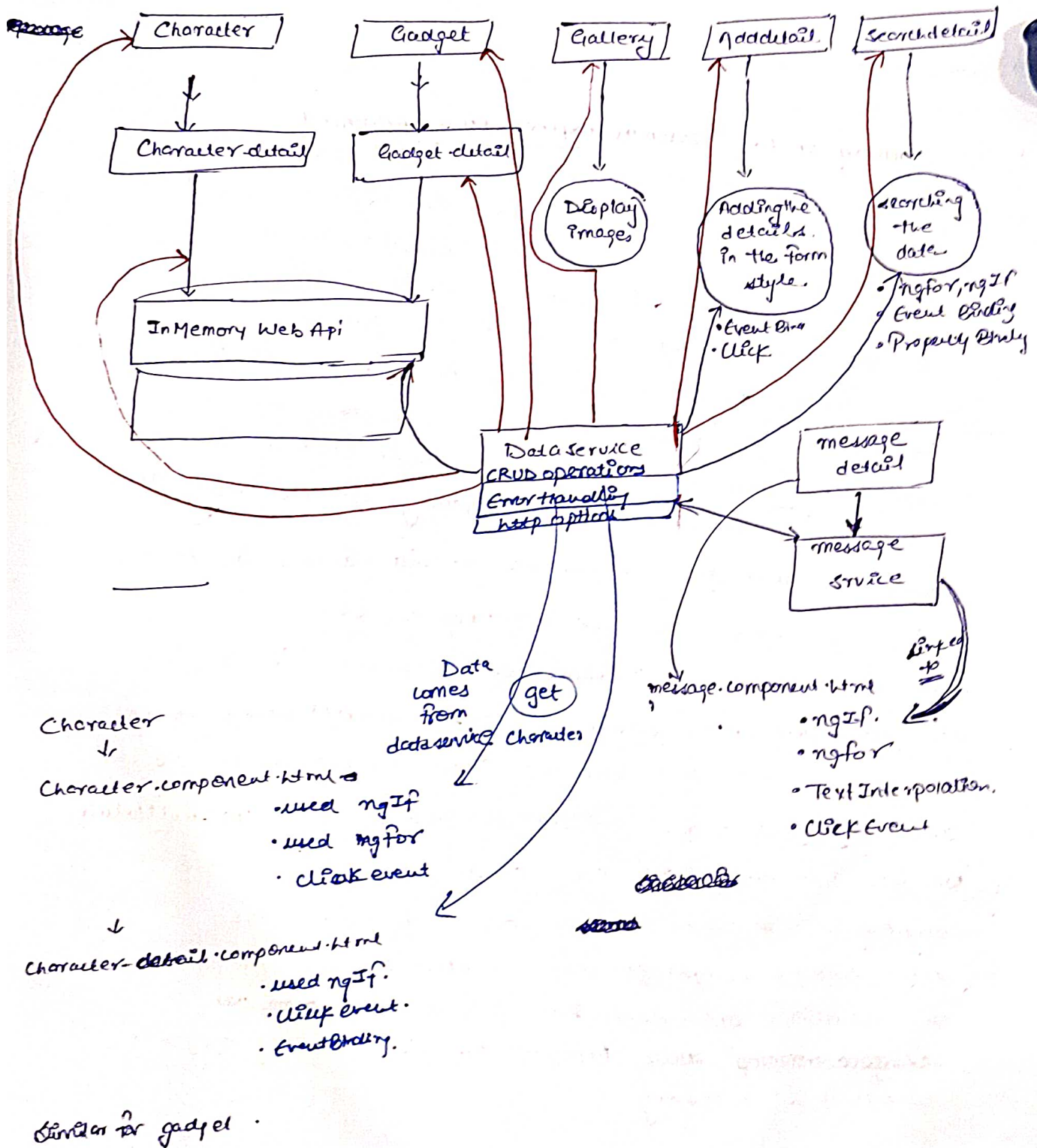
Ans - (A1) Summary of the Doraemon Explorer - Hub - Advanced

In this project, we designed the project with a nav-bar which has basically three components, character, gadget and gallery. where character describes the other component i.e. character detail which shows all the details of the character similarly it is for gadget. In the gallery we have to show the images of the characters & its entire group. Other than this we are adding the Routing & Navigation through we redirect the page. By default redirect to Gallery. All the information which is come from our services to list change it to the client to server by the HttpRequest & Response. For this we create a DummyServer in Angular it is called as InMemoryWebApi & services. ~~also this is a complete example~~ For showing the list from the interface we create the dummy database. and connect to the service & HttpClientModule. We have to apply all the CRUD operations in the components & like we have to delete the data, add data, update data & other features. All of the operations are done in the services. ~~also this is a complete example~~ Applying the Error Handling also where it is necessary.

Ans-1 (2)



Navbar



HTTP Request

Array

Page No. Anand
Date: / /

Ans-③

dataService

getCharacters → get → character[]

getCharacterDetails → get → character

search → get → character[]

add → post → character

delete → delete → character

update → put → character

message.service

add()

clear()

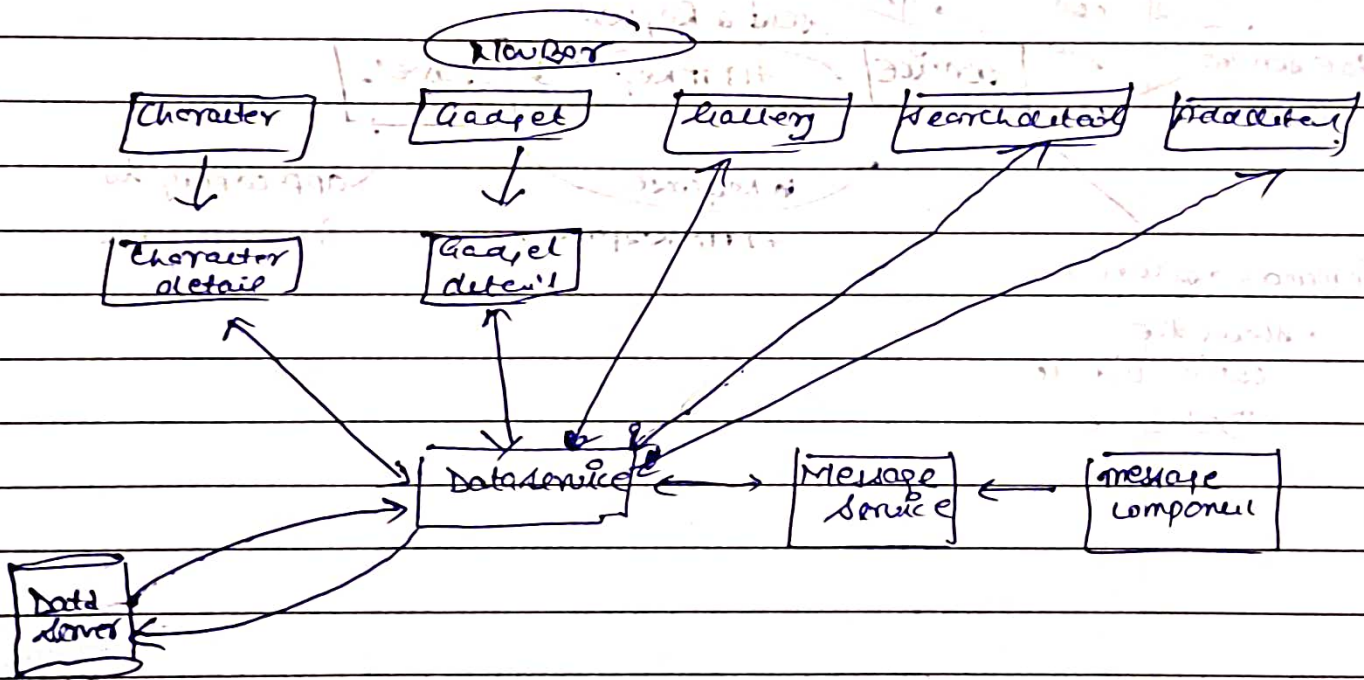
Inmemory

```

{
  createDB() {
    all data.
  }
}

```

Ans-⑤

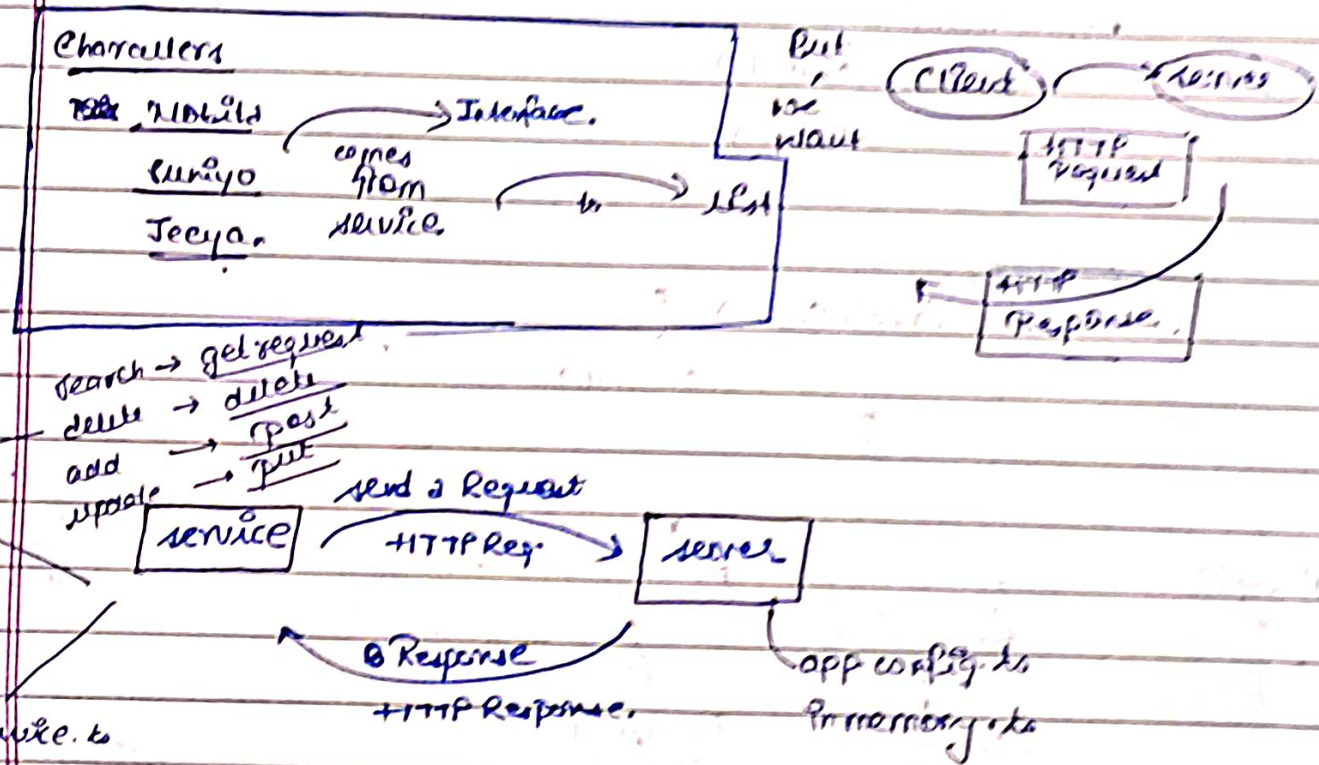


Ans → ④

Utilization of HttpClient and Testcontainers service is to demonstrate the use for development ~~server~~.
Generally create a dummy server & database.
For this we have four steps:

- ① Create Dummy Server
- ② Dummy Database (Inmemory Database)
- ③ Method. (get, post, put).
- ④ Services

eg.



data service
• all request

in memory • service. to
• show the entire list ie. Database.