**Part 1. Planning your project**

1. ***Discuss what your app should do.***

Toy-swap app. When the child is bored of their old toy, their parents can put a picture up on the app, and search for a fitting toy to swap with. The user can see the database without logging in, but must create a user and login to use further features. Before logging in, the user can use the search function, and after putting in a destination, the user can see available toys in the given area. After logging in, the user can upload pictures of their toy, write questions to the other users and arrange pickup of the toys they are interested in.

1. ***Create a list of the different entities that your app will use.***

admin

user

toy

1. ***Create a list of the different endpoints that your app will use.***

login, createUser, getProfile, getToy, createPost, getLocation, setLocation, editProfile, editToy, createToy, deleteUser, deleteToy

1. ***Design the json data that will be used to communicate between the frontend and backend.***

{

   “users” : [

{

“id” : int,

“name” : String,

“role” : int,

“zip”: int,

“city”: String,

“email” : String,

“phone” : String

}

        ],

  “toys” : [

{

“id” : int,

“type” : String,

“name”: String,

“img\_url” : String,

}

        ]

}

1. ***Create a list of the different components that your app will use.***

* Search bar
* Data fetching component
* Sidebar components
* Login/logout component
* Profile component with edit functions
* Display of toys component
* Dashboard component (maybe)
* Message component
* Register new user component

1. ***Setup a json-server to provide the proper json endpoints for your app.***

{

   “user” : [

     {

“id”: 1,

“name” : “John”,

“role” : 2,

“zip” : 2800,

“city”: “Lyngby”,

“email” : “[john@hotmail.com](mailto:john@hotmail.com)”,

“phone” : “44313214”

     },

     {

“id”: 2,

“username” : “Admin”,

“role” : 1,

“zip” : 2740,

“city”: “Herlev”,

“email” : “[admin@admin.com](mailto:admin@admin.com)”,

“phone” : “44224122”

      }

]

 “toy” : [

  {

“dolls” : [

  {

“id”: 1,

“type” : “barbie”,

“name” : “Stewardess Barbie”,

“img\_url”: “www.barbiedoll.dk”

},

“id”: “babydoll”,

“type” : 2,

“name” : “Sleepytime Doll”,

“img\_url”: “www.sleepydoll.dk”

}

],

“action\_figures” : [

{

“id” : 1,

“type” : “navy”,

“name” : “Join the Navy, Children”,

“img\_url” : “www.navyactionfigure.dk”

},

{

“id” : 2,

“type” : “military”,

“name” : “Rambo”,

“img\_url” : “www.ramboactionfigure.dk”

}

],

 }

Part 2. Create the frontend

1. Create a new React project using Vite by running the following command: npm create vite@latest my-project –template react-ts
2. Use Figma to design the frontend for your app
3. Create the components that you need for your app