SYSTEM DESIGN DOCUMENT
Group Name: Daksh’s Kittens

Table of Contents

CRC CARDS

Template	Parent Class (if any): List the parent class if applicable Subclasses (if any): List all the subclasses separated by a comma
Responsibilities:	Collaborators:

LoginForm	Parent Class: LoginPage.js
Responsibilities: Handles logging in users to the system (once integrated with the DB)	Collaborators: Daksh

SignupForm	Parent Class: SignupPage.js
Responsibilities: Handles creating new users and storing the information in the DB	Collaborators: Daksh

Graph.js	Parent Class: N/A Subclasses: N/A
Responsibilities: Handles and servers the schema for the graphql + neo4j api.	Collaborators: Daksh

Timer Page	Parent Class: TimerPage.js
Responsibilities: Added sound	Collaborators: Shun Chit

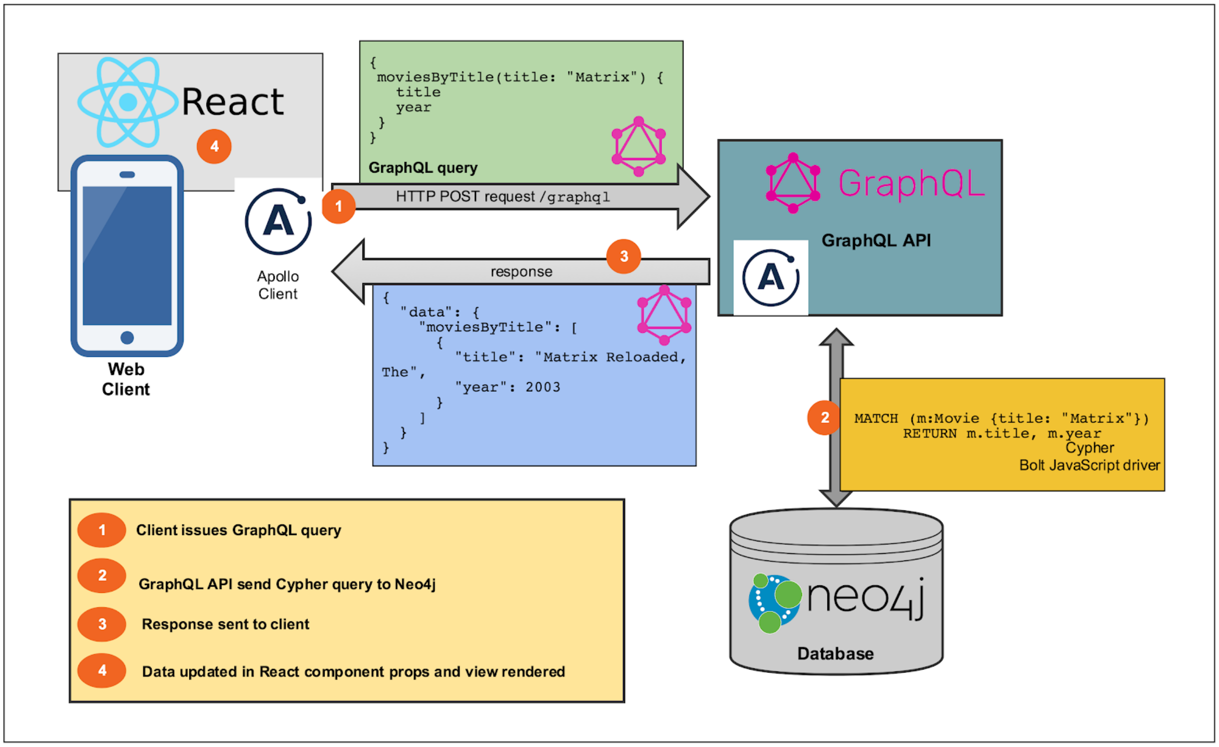
Main Interface	Parent Class: App.js Subclasses: N/A
Responsibilities: Allows for the changing of pages and tabs, and calendar view and notes	Collaborators: Manjoy malhotra

Tasks Page	Parent Class: App.js
Responsibilities: Update UI consistency update	Collaborators: Peter Ghobrial

Index Page	Parent Class: Landing_Page.js
Responsibilities: Created a navbar and an about us section	Collaborators: Rahul

Feed Page	Parent Class: FeedPage.js
Responsibilities: Main interface when the user logs in. Should show widgets for the user to quickly glance, and read some info pertaining to the other pages	Collaborators: Daksh

Software Architecture Diagram



```
{
 moviesByTitle(title: "Matrix") {
   title
   year
 }
}
```

```
{
  "data": {
    "moviesByTitle": [
      {
        "title": "Matrix Reloaded,
The",
        "year": 2003
      }
    ]
  }
}
```

```
MATCH (m:Movie {title: "Matrix"})
      RETURN m.title, m.year
```

1 Client issues GraphQL query

2 GraphQL API send Cypher query to Neo4j

3 Response sent to client

4 Data updated in React component props and view rendered

This image is taken from https://grandstack.io/docs/getting-started-neo4j-graphql.

The architecture relies on a neo4j database being hosted on the same or a separate server. We also rely on node.js being installed. Node.js is then used to install react and other react libraries.