SYSTEM DESIGN DOCUMENT Group Name: Daksh's Kittens

Table of Contents

CRC Cards			 	3-4
Software Arc	chitecture D	iagram	 	5

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

	Parent Class: App.js Subclasses: 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

moviesByTitle(title: "Matrix") title React year GraphQL query GraphQL Â HTTP POST request /graphql GraphQL API Web 'vear": 2003 Client MATCH (m:Movie {title: "Matrix"}) RETURN m.title, m.year Cypher Bolt JavaScript driver Client issues GraphQL query GraphQL API send Cypher query to Neo4j neo4 Response sent to client

Database

Software Architecture Diagram

This image is taken from

https://grandstack.io/docs/getting-started-neo4j-graphql.

Data updated in React component props and view rendered

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.