

Application Flow

AWS Amplify: Hosts the application on the internet

AWS RDS (mySQL): database

AWS Cognito: Sign in

AWS S3: Store static images for application

React (mui): Frontend. mui is a react variant that we can optionally use

NextJS: Backend server, serverless functions implemented with API Routes

-> User signs into application with **cognito**

-> User interacts with **react** frontend. User provokes action that requires **database** (ex. Click on friends list button)

-> **NextJS** serverless function attached to the react component that was clicked (ex. Friends list button) is triggered.

-> Returned data from nextJS function (if applicable) is displayed on the frontend.

RDS Connection

Connect to rds with lambda:

<https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/rds-lambda-tutorial.html>

<https://www.youtube.com/watch?v=Gd9oljNO5p0>

rds credentials:

Master Username: Team25Master

Password: 4910Password!

DB Name: team25-db

Endpoint (host): team25-db.cobd8enwsupz.us-east-1.rds.amazonaws.com