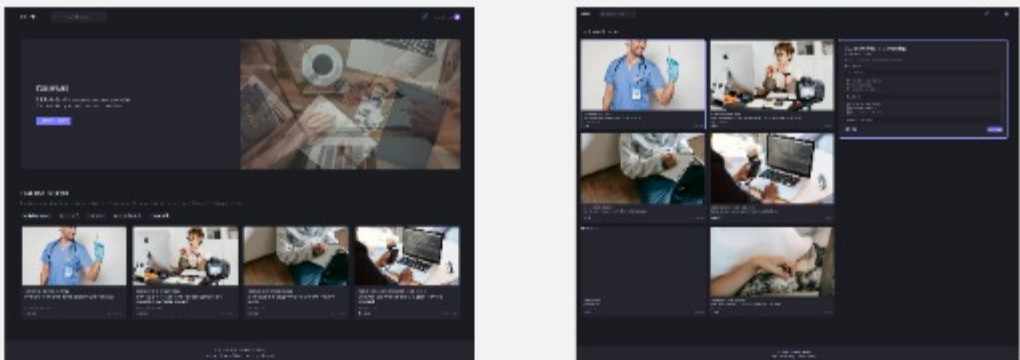
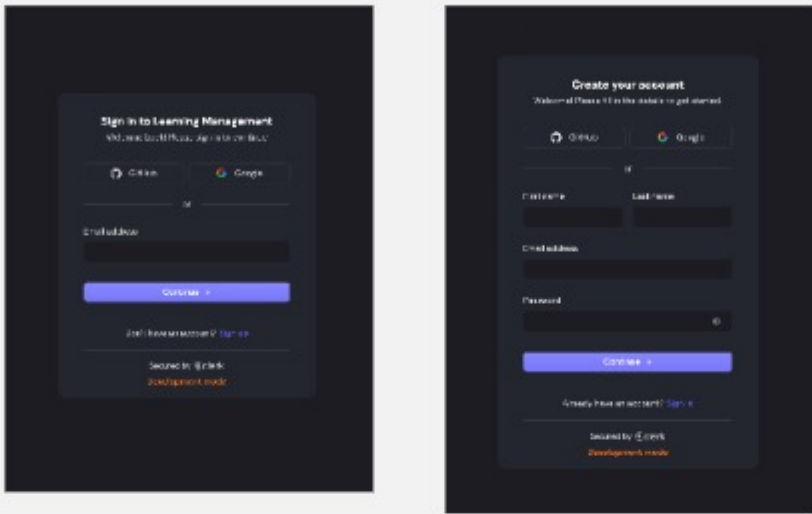


NOTE: these are screenshots of every page of the entire application, not figma because the app ended up very different from designs, hence why they don't look as good as they should for designs

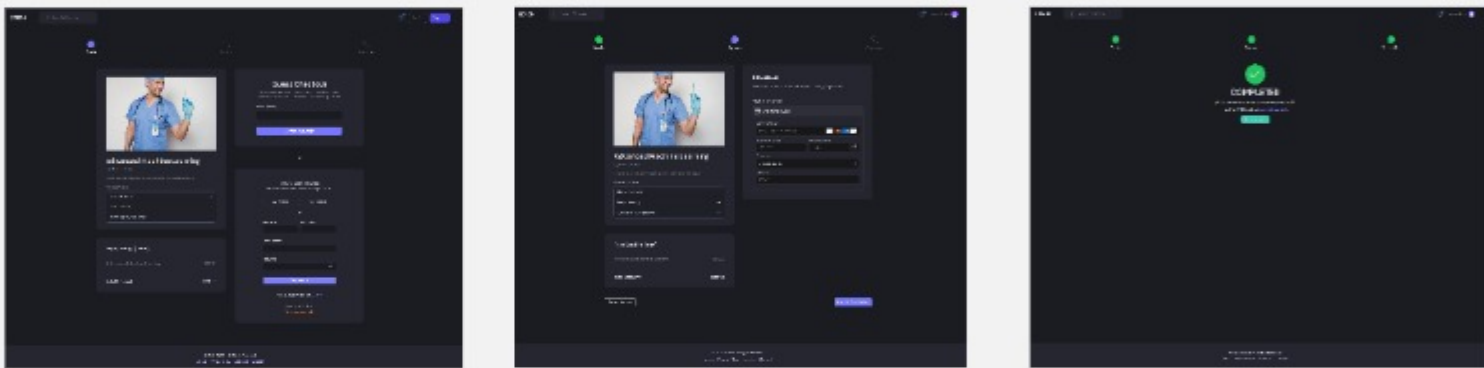
Search Pages



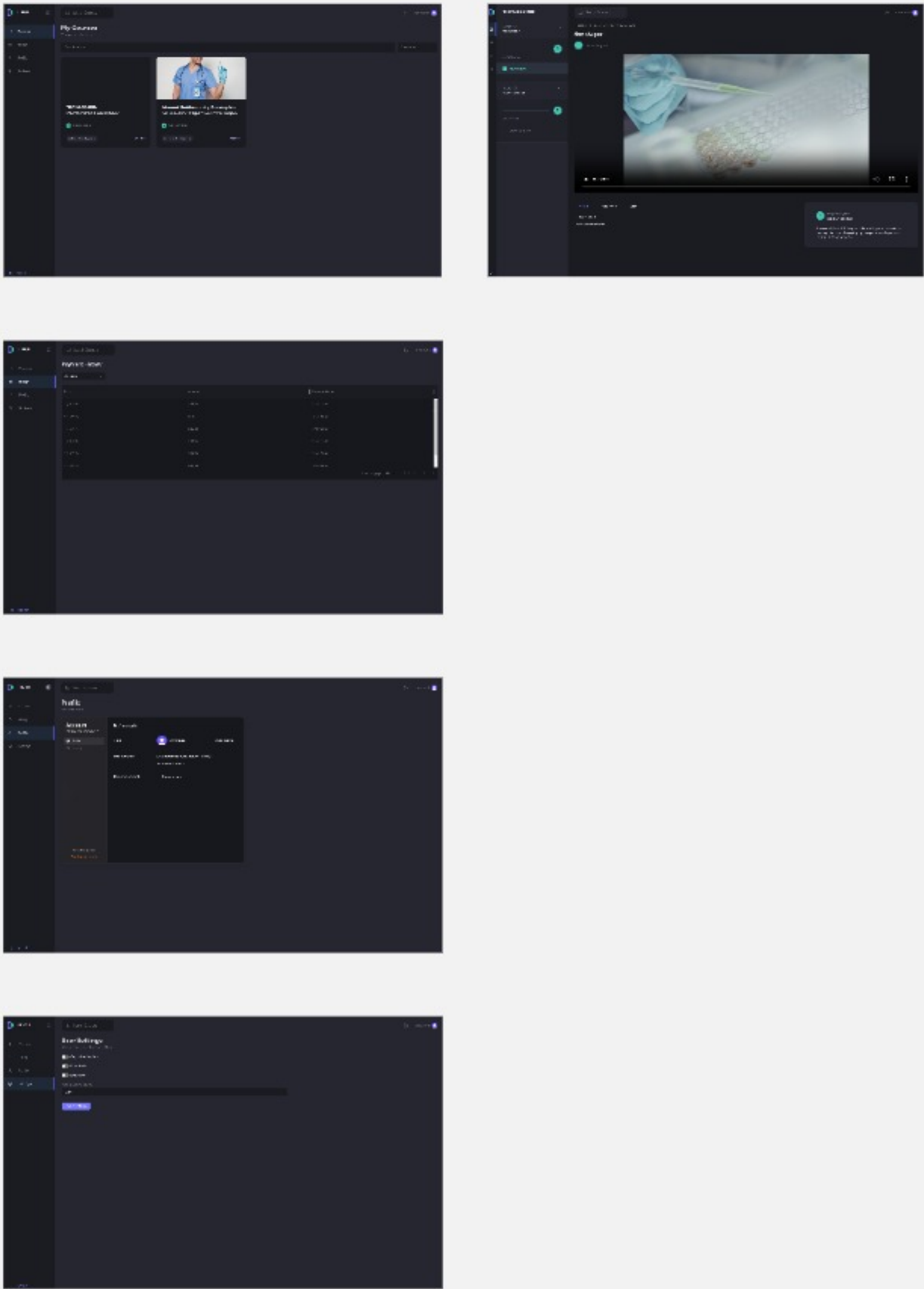
Auth Pages



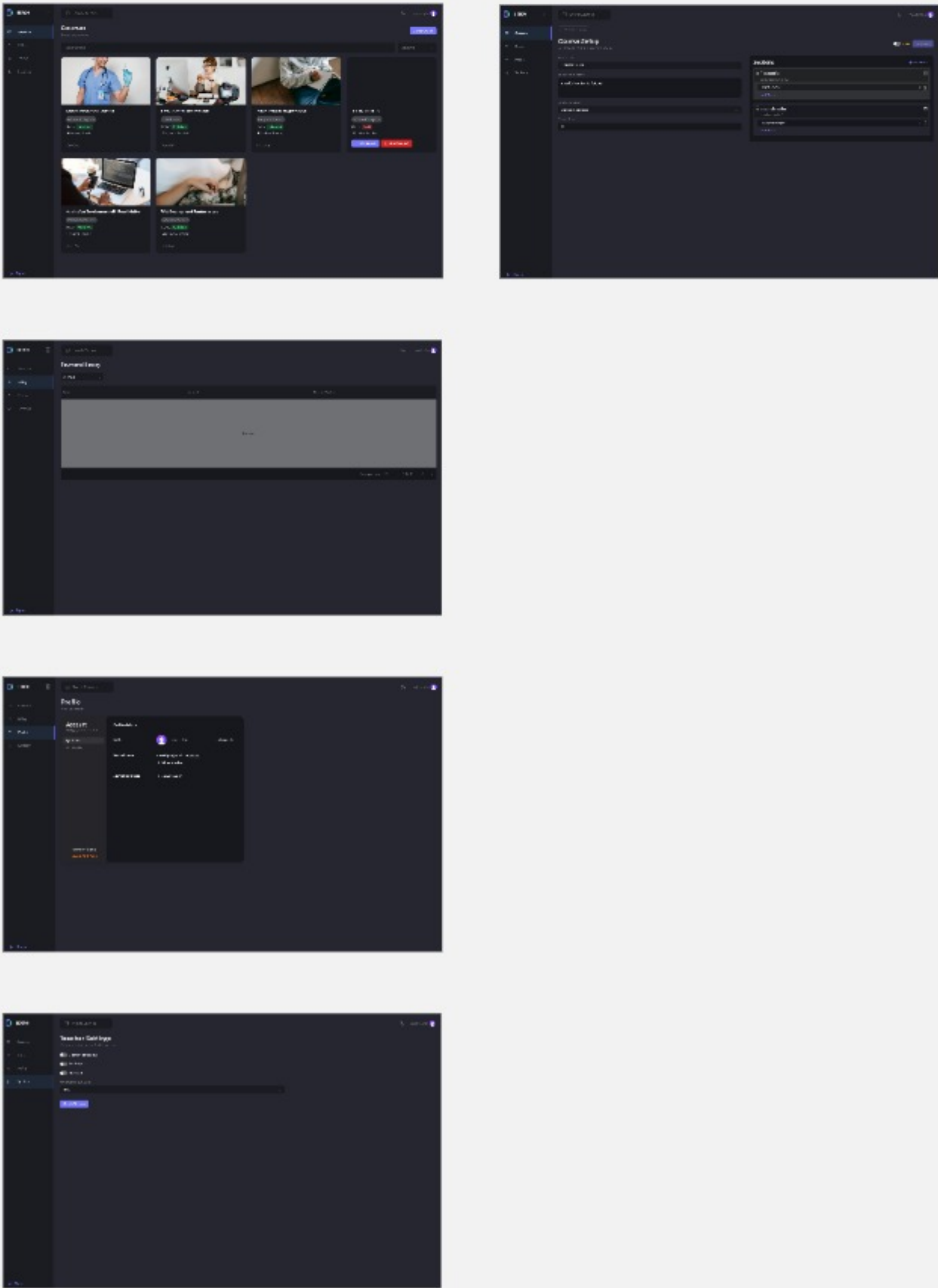
Checkout Pages

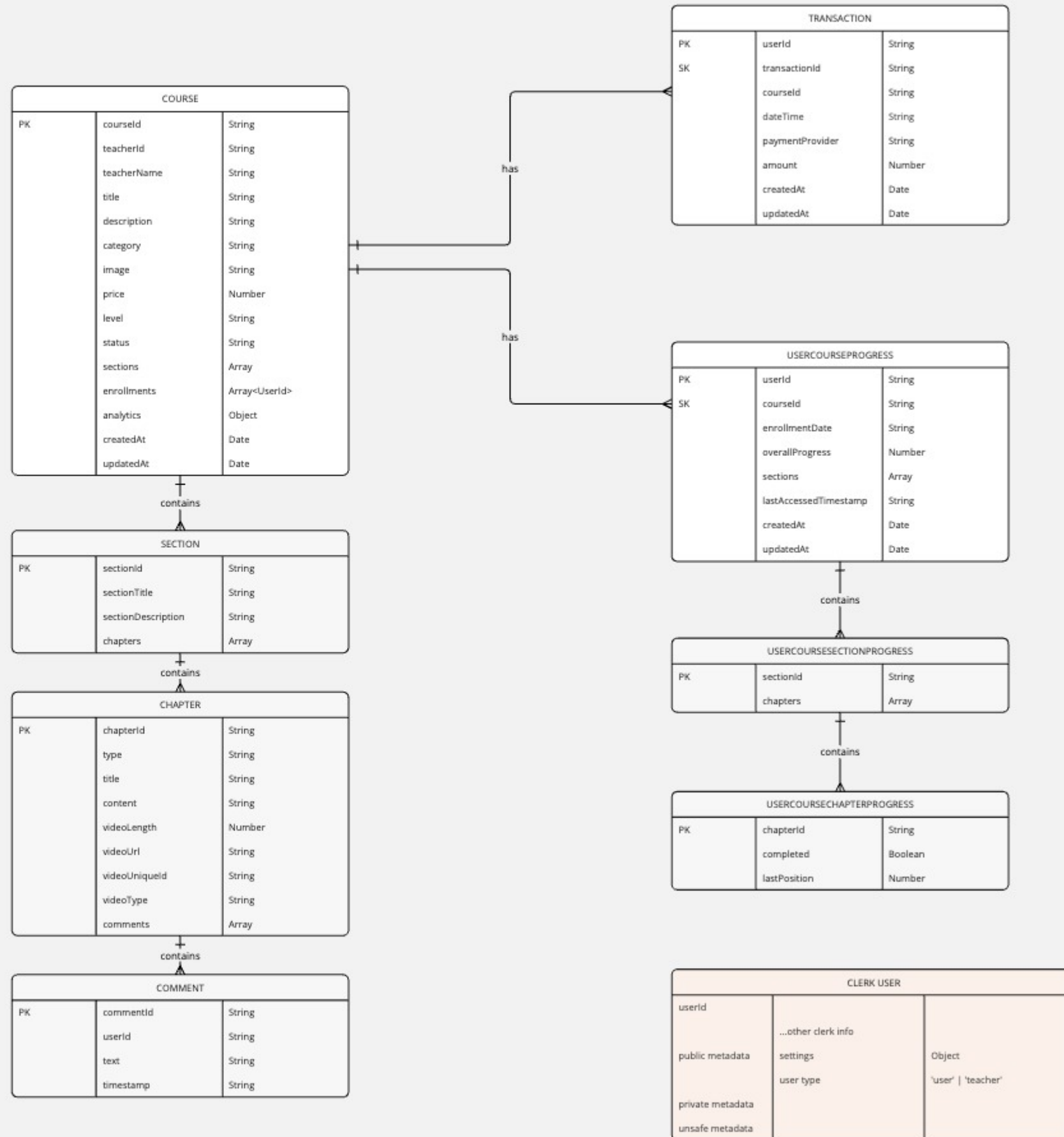


User Pages



Teacher Pages





Why Choose DynamoDB?

The first choice in choosing a database is generally deciding between SQL vs NoSQL

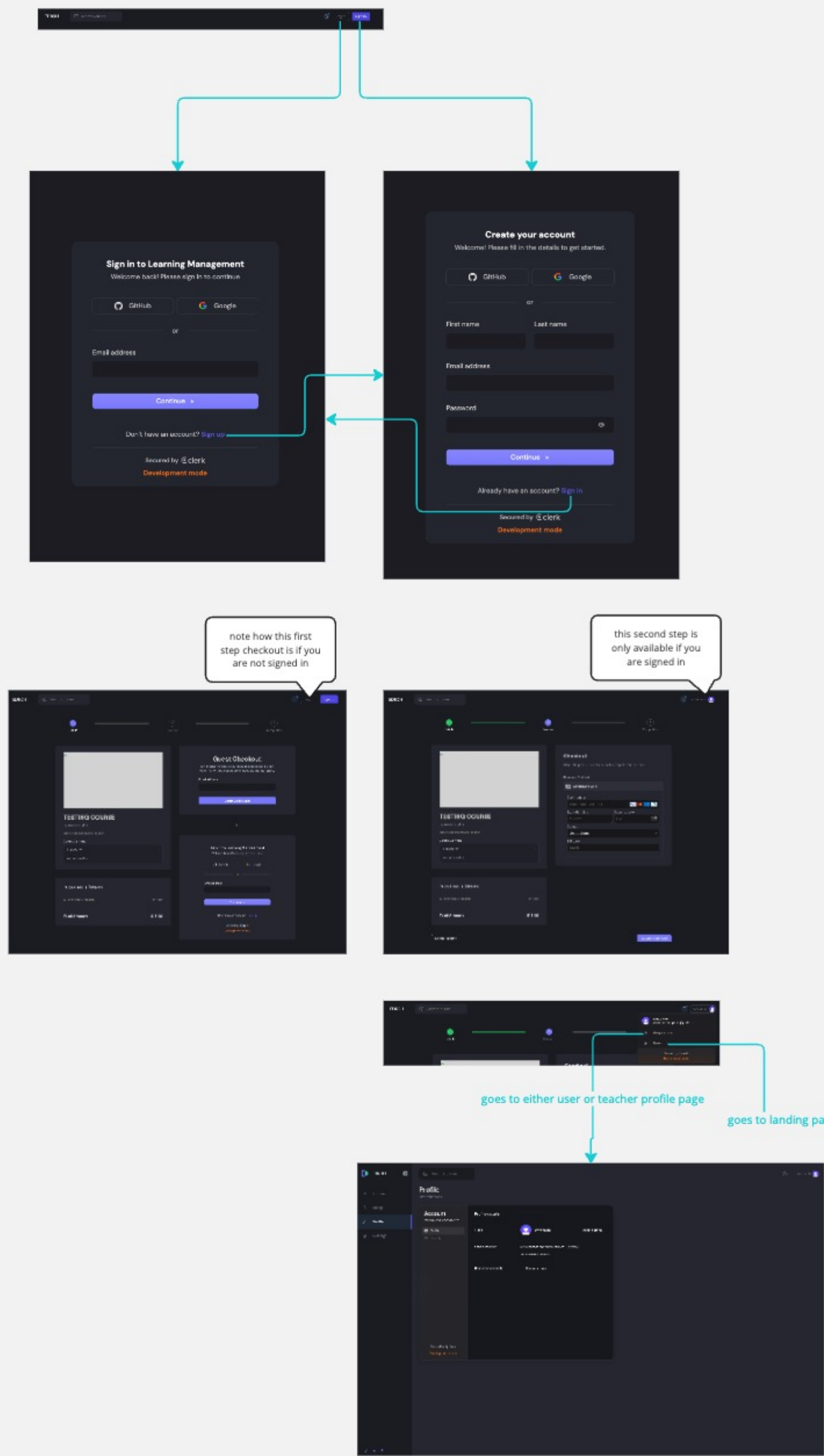
NoSQL vs SQL

- We choose NoSQL because there is very few relationships
- Unless you need a lot of relationships like social media applications you don't need SQL
- SQL while it brings the ACID guarantees, but it also comes with a lot of overhead, maintenance, and in some cases scalability issues
- In our case we do not have many relationships and we can utilize nosql

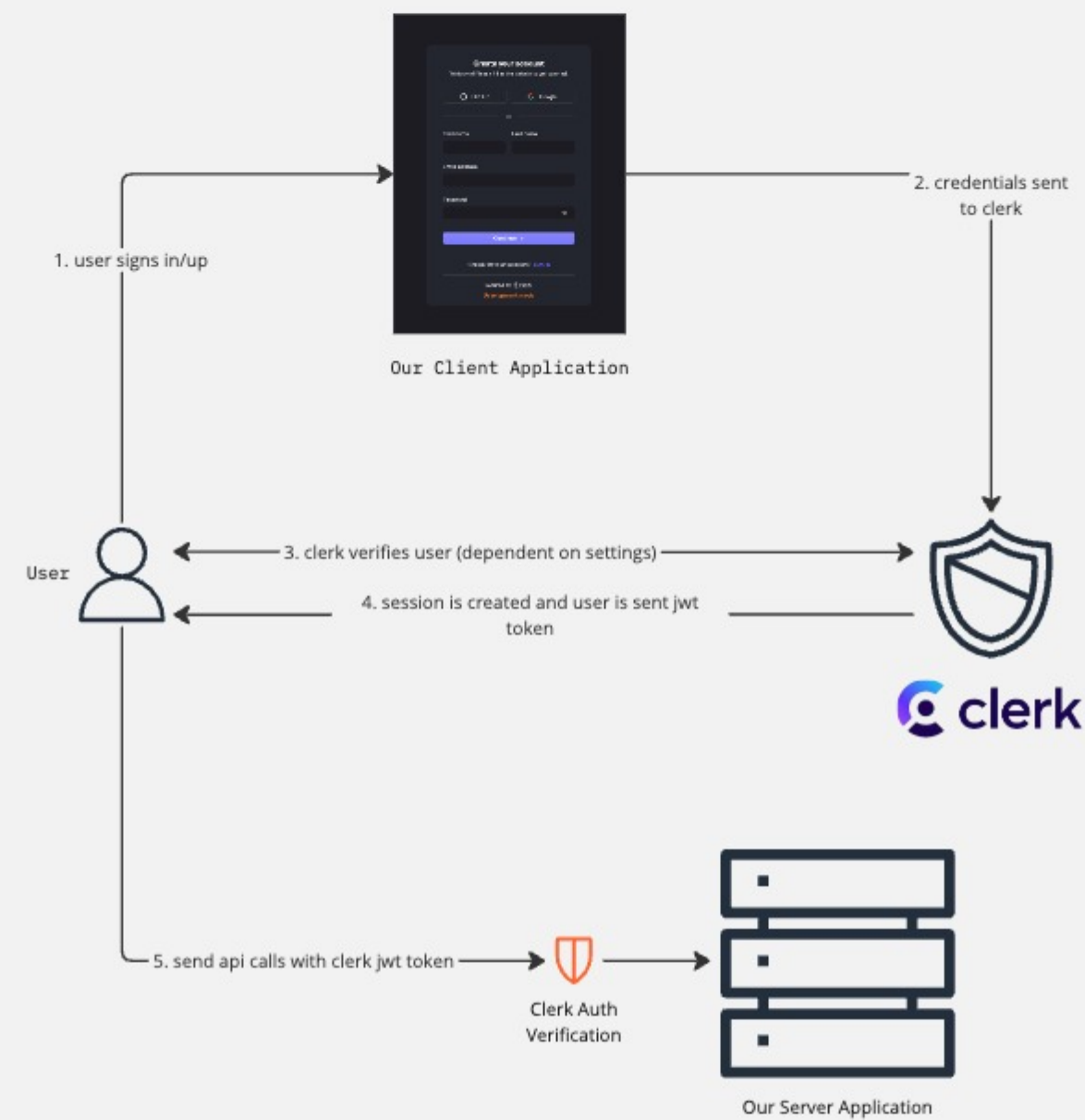
DynamoDB vs Other NoSQL

- Advantages
 - very fast and performant
 - fully managed compared to other databases like document db or mongodb, you don't need to handle infrastructure scaling etc
 - ideal when using AWS ecosystem and especially for serverless
 - generous **FREE** tier (always free up to an amount)
- Disadvantages
 - not ideal for tables with many relationships (but we don't have many here in this app)
 - not great for highly nested data structures
 - can be restrictive for complex filtering, sorting, aggregation

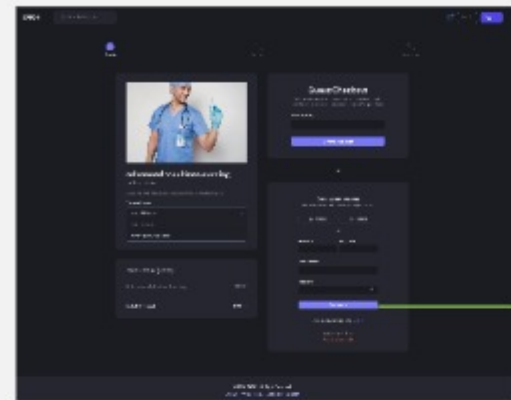
Auth Screen Flows



Authentication Diagram



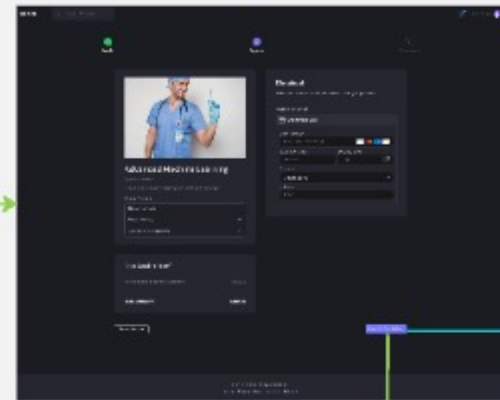
user hits this page if not signed in



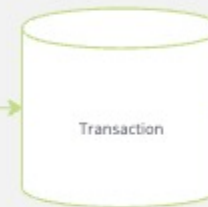
user signs in/up



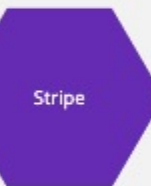
user hits this page if signed in



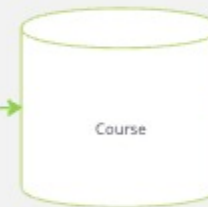
This creates transaction so user can fetch transaction records later



This creates stripe payment



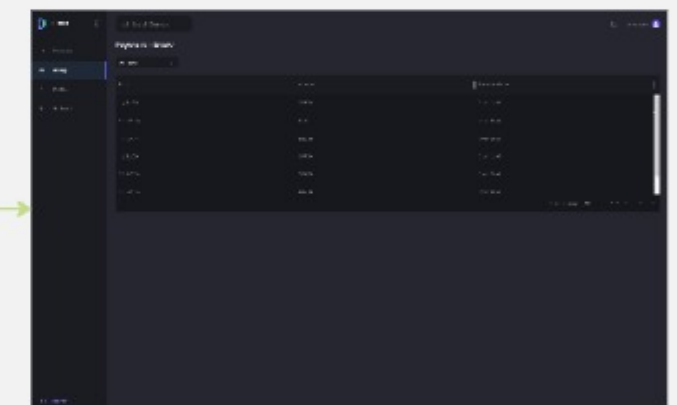
Need to add user enrollment to course



This adds progress data for initial



Transaction information is used for the billing page. Also transaction stores stripe id so it can fetch the needed information from stripe.



This is how we check if user is enrolled in a course

