Teacher Resource Centre Architecture Diagram
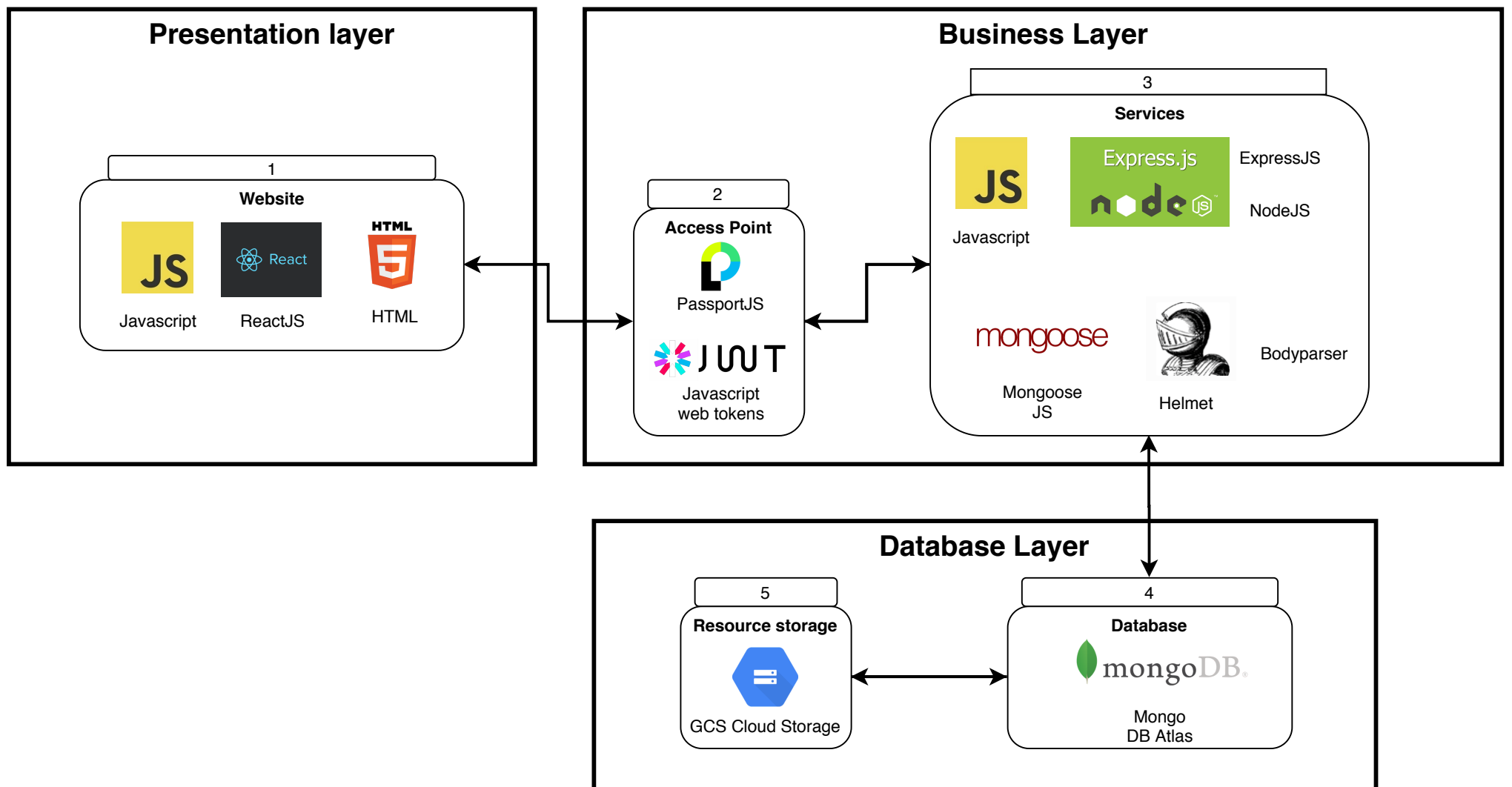
T4A2 Part A

1. Presentation layer is primarily React and Javascript with a small amount of HTML.

2. The authentication will be run through the middleware PassportJS using Javascript Web Tokens to authenticate the API endpoints

3. The business logic will be written in Javascript. The server runtime environment will be using NodeJS with an ExpressJS framework.

Middleware including Helmet for secuity, bodyparser for API calls and mongoose to connect to the Mongo database.

4. The database that will be used is MongoDB Atlas. Queries will be passed in the MVP in GET requests, to return JSON data.

5. The main resource storage will be separate from the queried database. The individual resources will be linked to allow the user to download the resource independently. This structure may change post-MVP to further control access to the resources.