SERVERLESS ARCHITECTURE

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AWS Cloud

3 CloudFront (CDN)

S3 bucket(s) host static website content.
e.g HTML, CSS, JS, media, etc.

2 S3

1 Client

Cognito User Pools registers and
authenticates users to the app

4 Cognito

The app's backend receives
dynamic API calls

5 Amazon
API Gateway

6 Lambda

7 DynamoDB
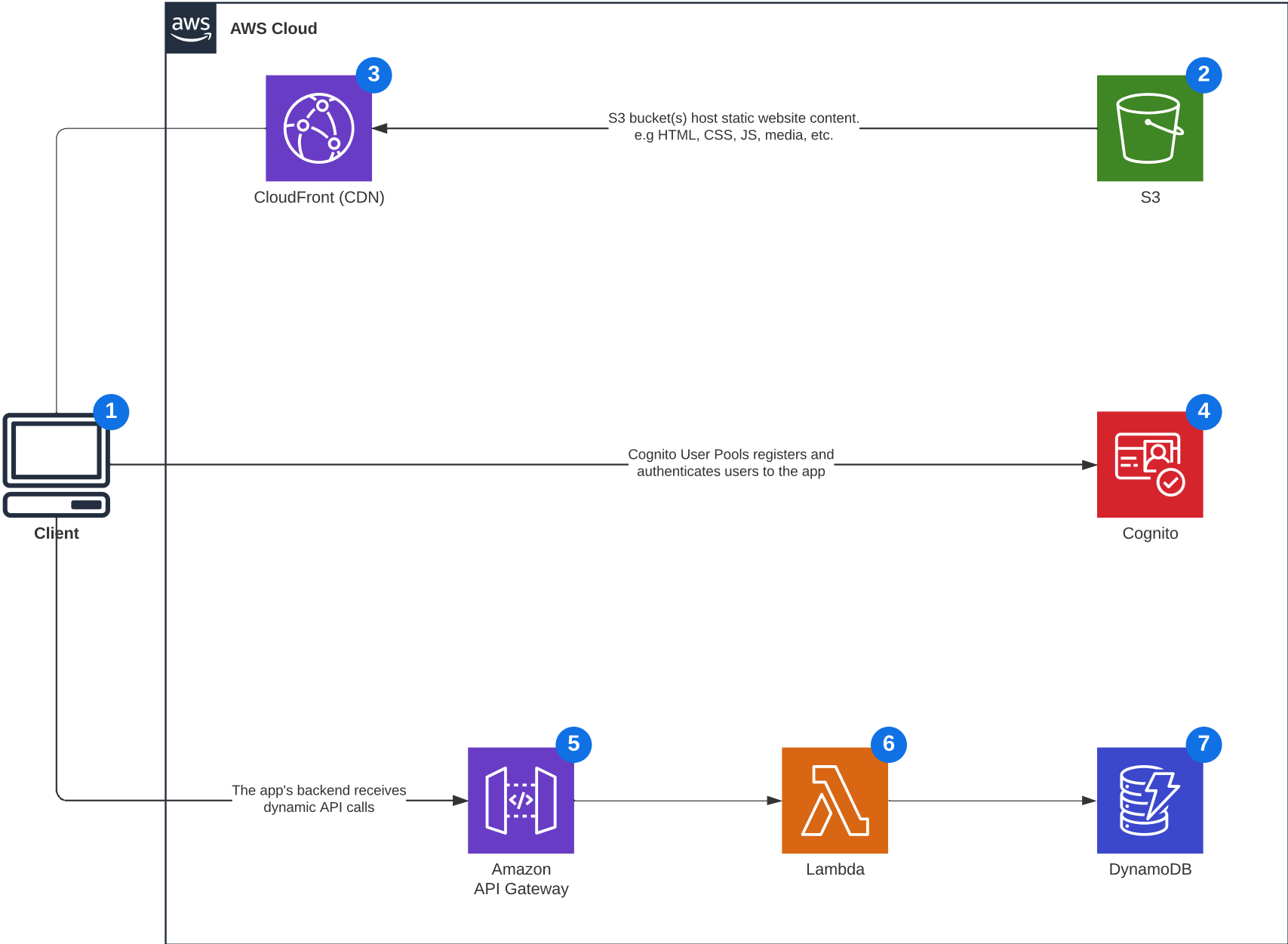
System elements

1 *Leverage Amazon CloudFront, a content delivery network, to take advantage of caching, optimal origin routing, and less redundant calls to your backend.*

2 *Assets stored in Amazon S3 are securely served through CloudFront.*

3 *S3 hosts static assets such as HTML, CSS, JS, and or media.*

4 *An Amazon Cognito user pool provides user management and identity providers.*

5 *Amazon API Gateway is used to send or receive dynamic content.*
  - *E.g., if a user submits data through a form, Amazon API Gateway can be utilized as the secure endpoint.*

6 *Lambda function(s) provides Create, Read, Update, Delete (CRUD) operations on top of DynamoDB.*

7 *DynamoDB provides the backend NoSQL data store that elastically scales.*

Description and infrastructure provided by AWS.