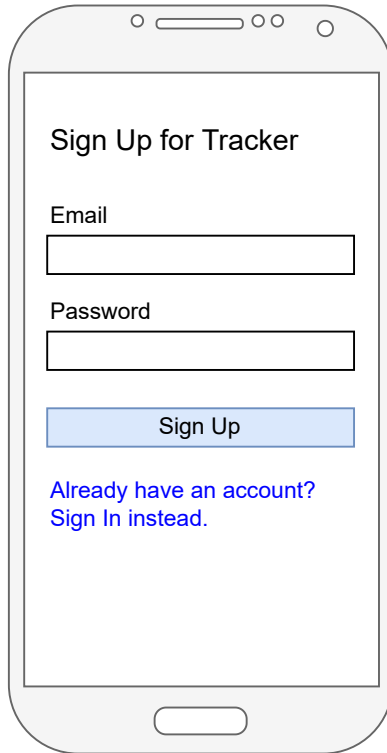


Signup



Sign Up for Tracker

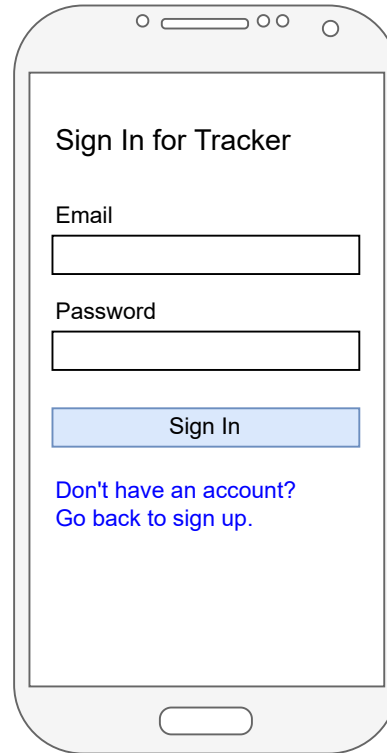
Email

Password

[Sign Up](#)

[Already have an account? Sign In instead.](#)

Signin



Sign In for Tracker

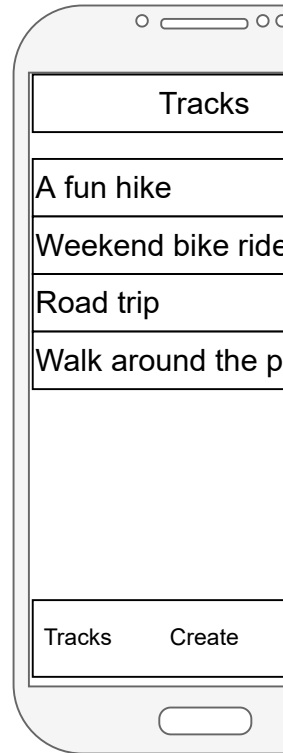
Email

Password

[Sign In](#)

[Don't have an account? Go back to sign up.](#)

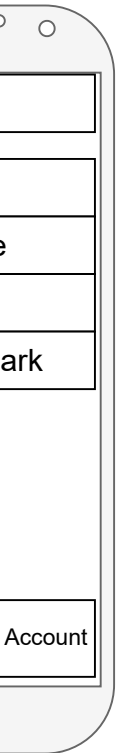
TrackListScreen



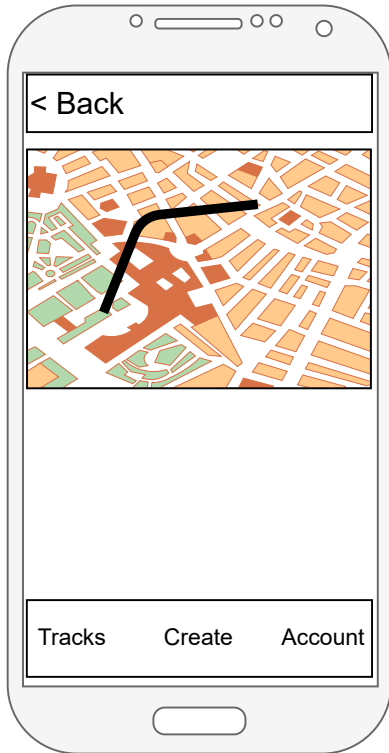
Tracks
A fun hike
Weekend bike ride
Road trip
Walk around the park

[Tracks](#) [Create](#)

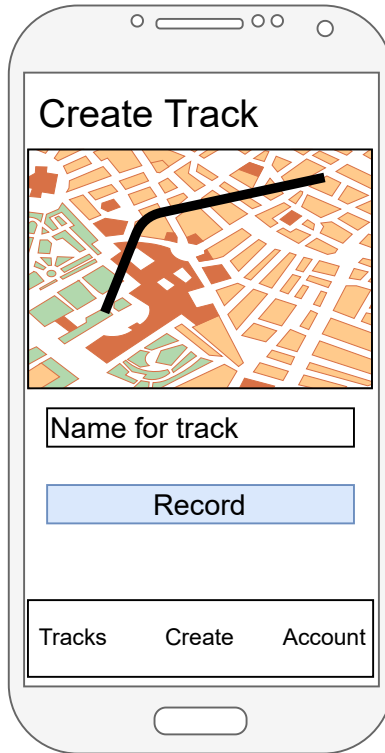
reen



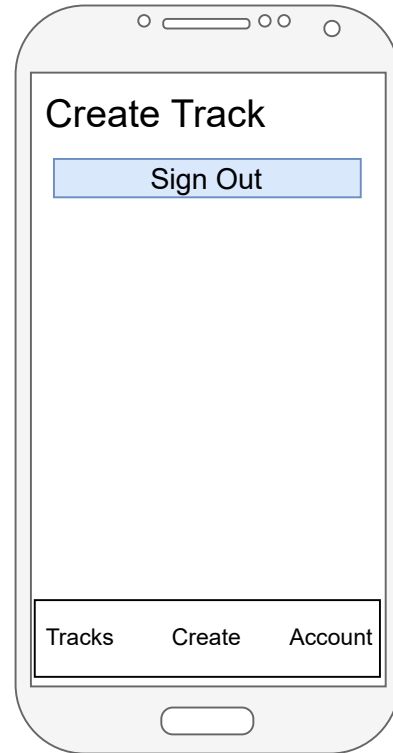
TrackDetailScreen

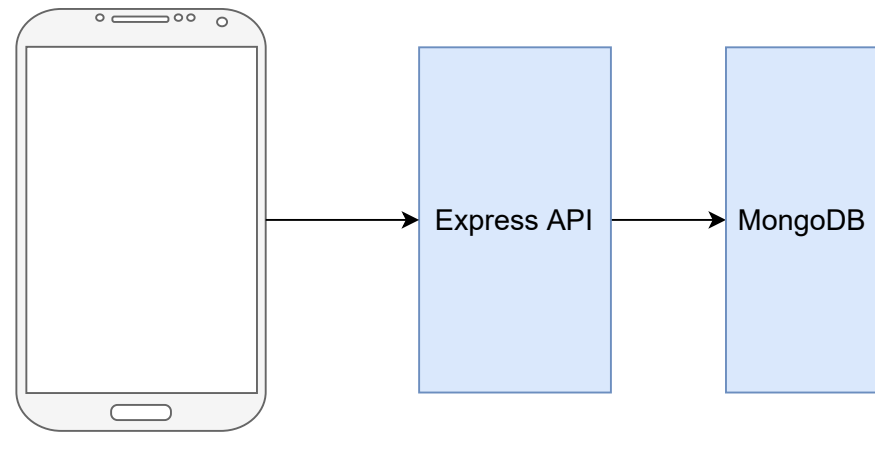


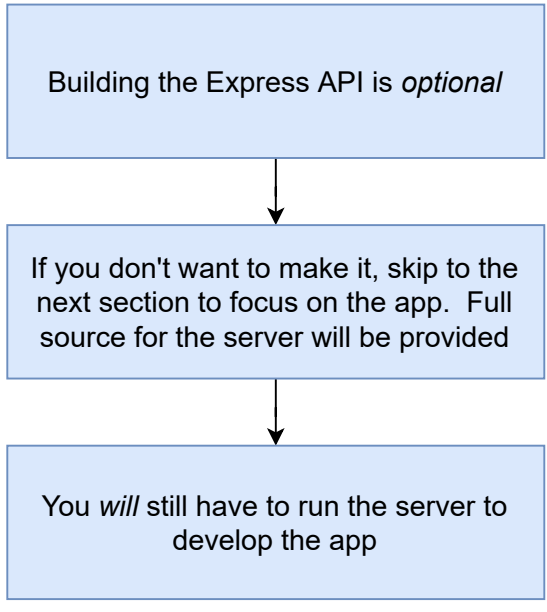
TrackCreateScreen



AccountScreen

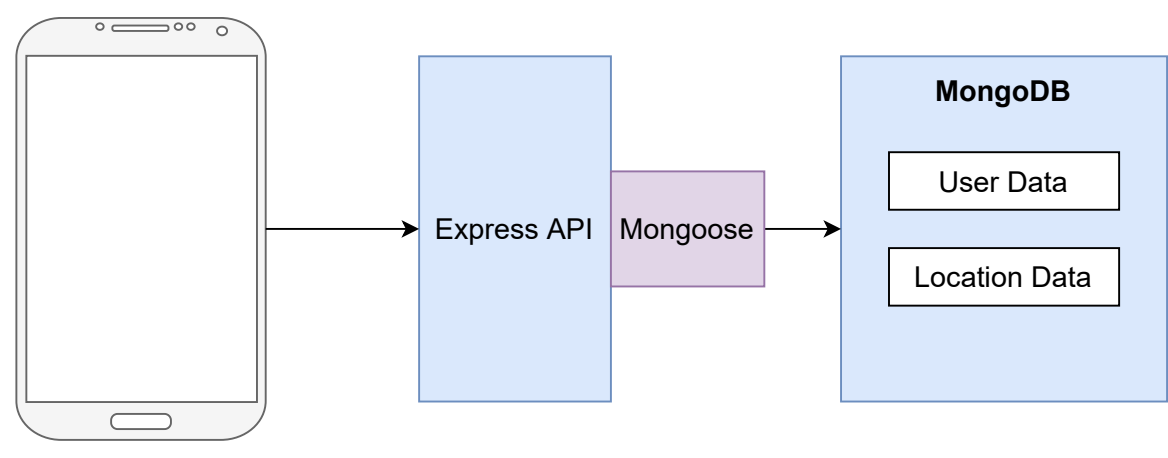


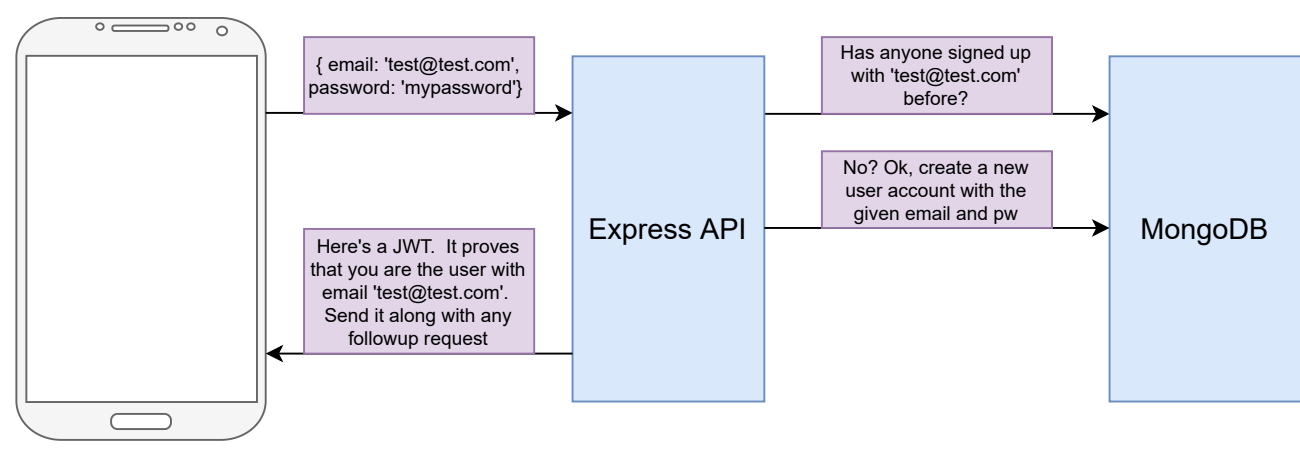


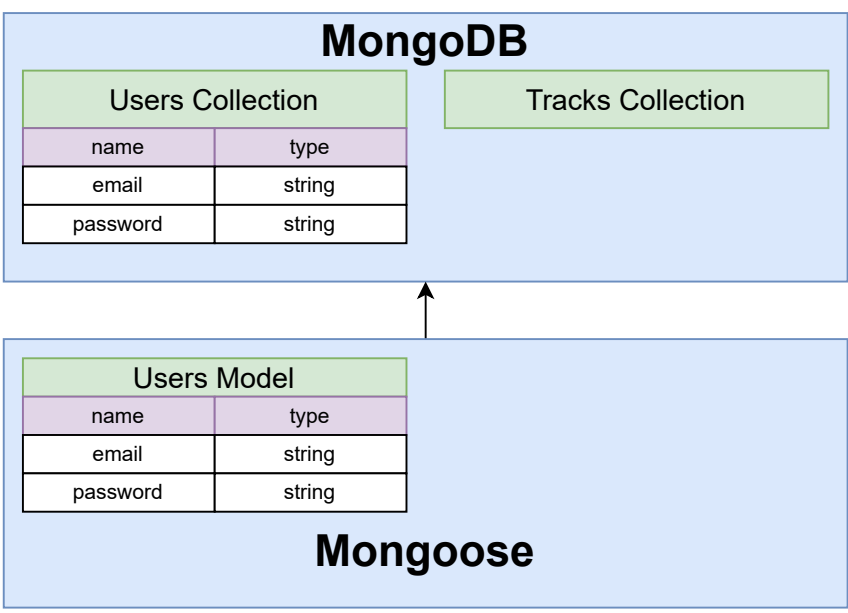


cloud.mongodb.com

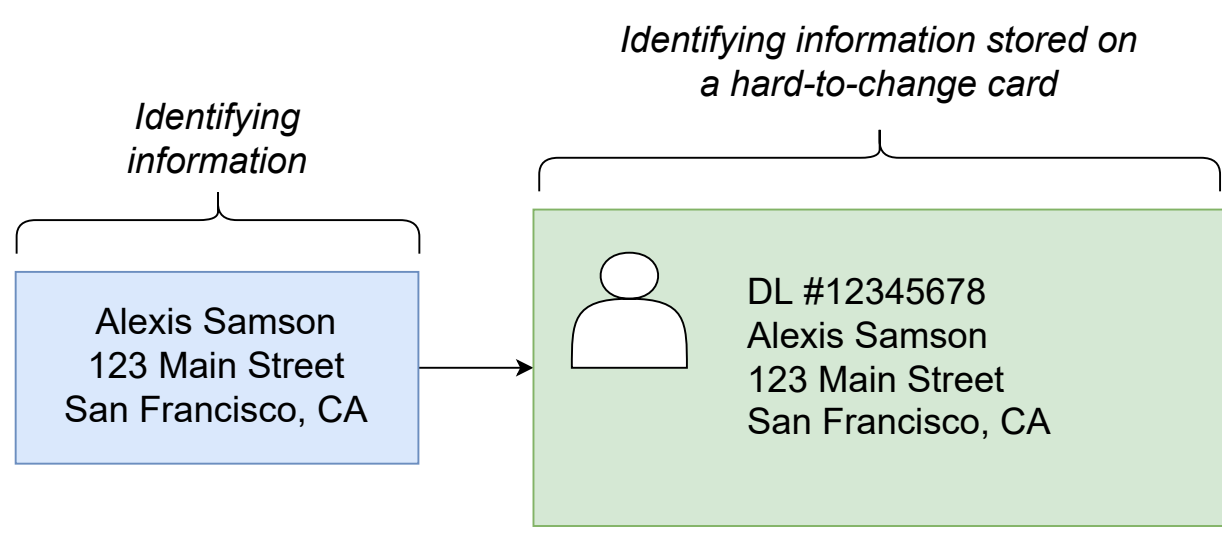
Free hosted MongoDB
Instance



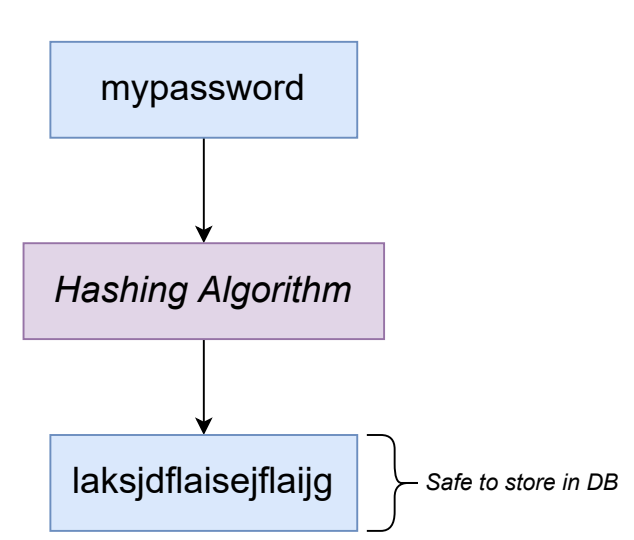


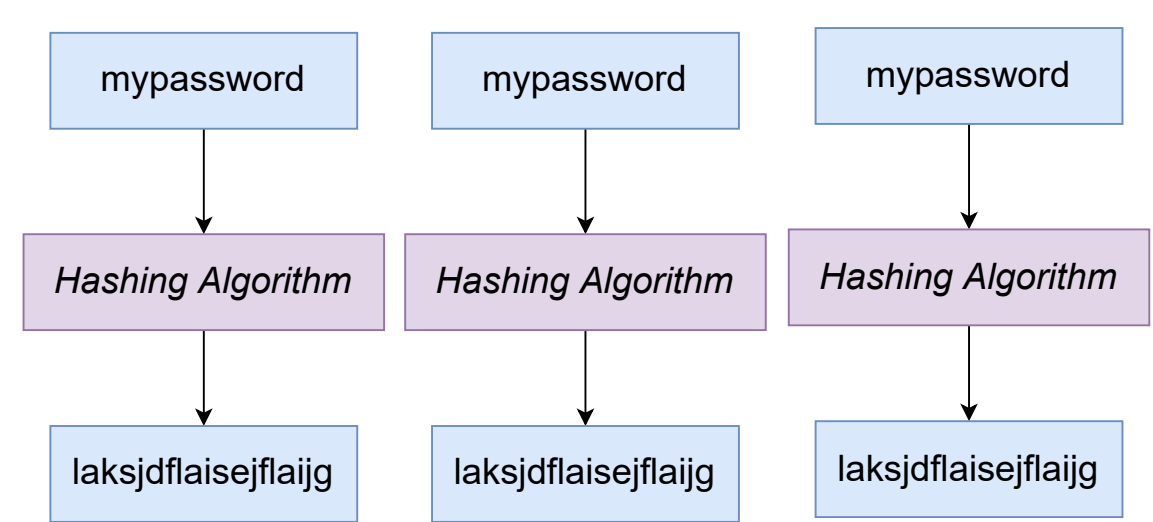


Driver's License in the United States
Includes some identifying information about the person carrying the ID
Can be used to prove that you are who you say you are
The ID has some security measures to prove that it is a real ID - those measures are hard to fake
A malicious person could change their identity by modifying their ID, but modifications could be easily detected



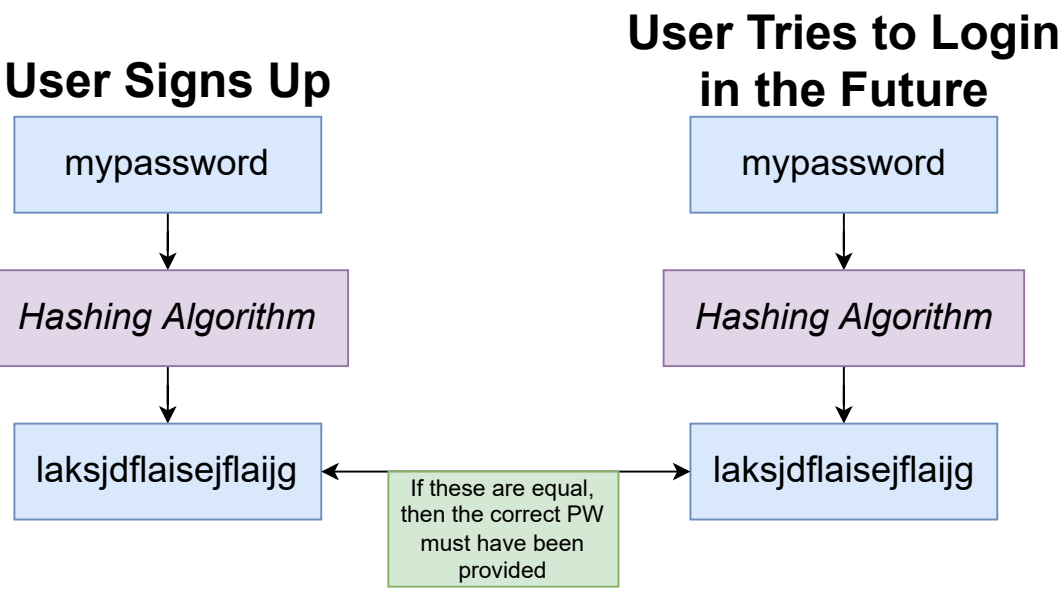
JSON Web Tokens
A string that carries some identifying information
Can be used to prove that you are who you say you are
JWT is created using a special key that only our server knows.
Not possible to create a new JWT or change info in an existing one without that key.

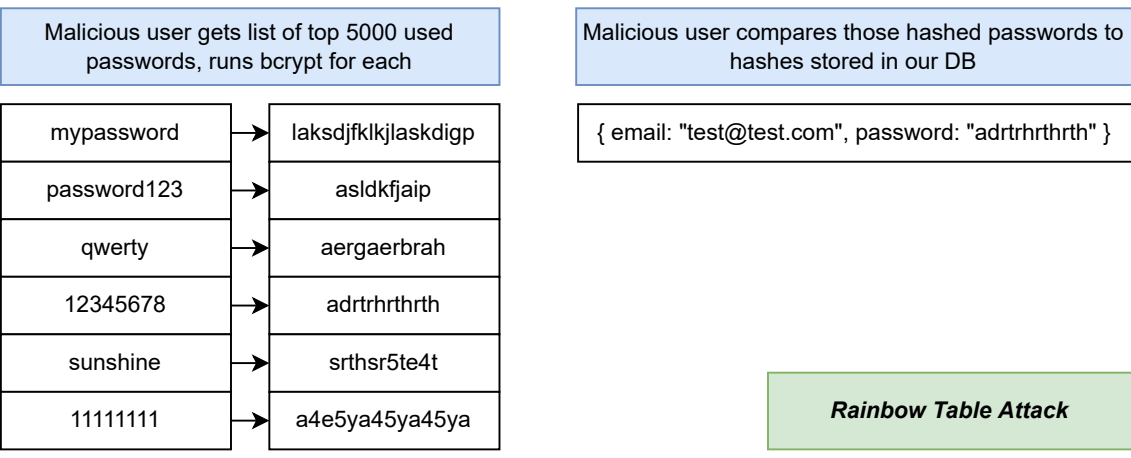


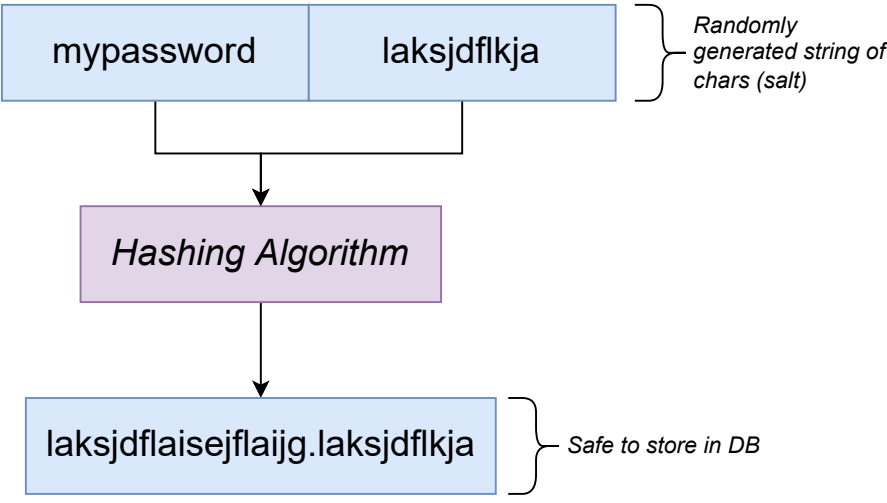


miraclesalad.com/webtools/md5.php

This tool uses the md5 hashing
algorithm, but we are using bcrypt







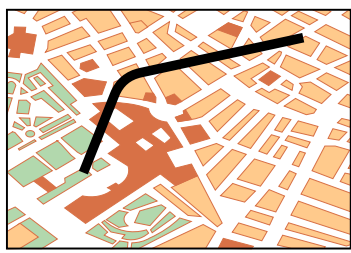
Malicious user gets list of top 5000 used passwords, runs bcrypt for each

12345678	→	adtrhrtrrh.SALT
12345678	→	adtrhrtrrh.SALT2
12345678	→	adtrhrtrrh.SALT3
12345678	→	adtrhrtrrh.SALT4
12345678	→	adtrhrtrrh.SALT5
12345678	→	adtrhrtrrh.SALT6

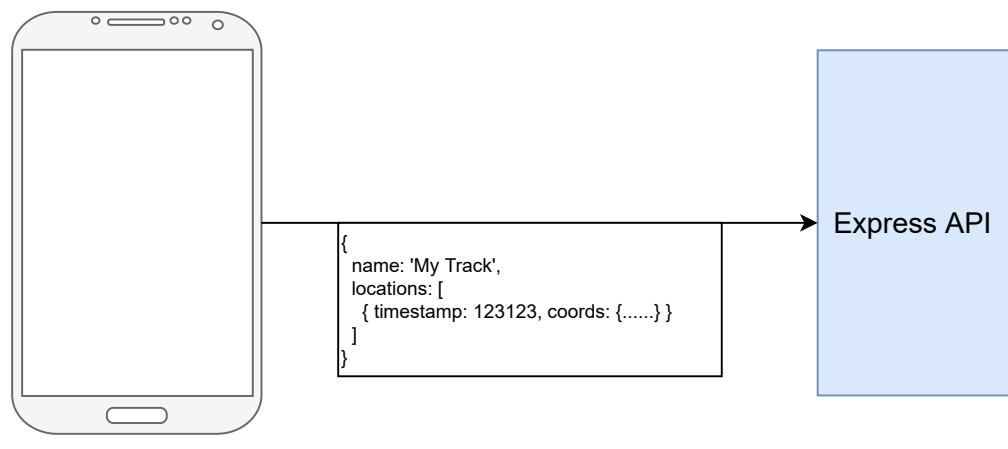
Malicious user compares those hashed passwords to hashes stored in our DB

{ email: "test@test.com", password: "adtrhrtrrh.SALT4" }

Rainbow Table Attack



Track	
name	type
userId	id
name	string
location	[Point]
Point	
name	value
timestamp	number
coords	
latitude	number
longitude	number
altitude	number
accuracy	number
heading	number
speed	number



Catchup
This video is only for people who skipped putting together the Express API
We need to download the zip file with the completed API code
Extract project files
Install dependencies
Create a MongoDB instance
Start the server

