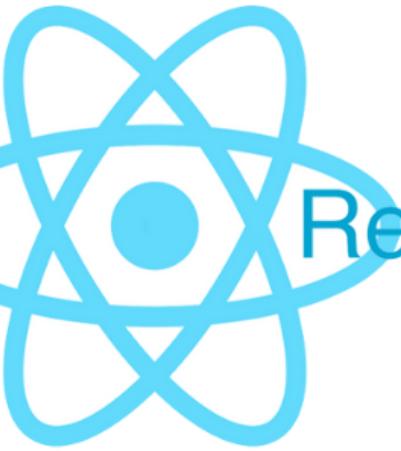


tinder clone



React Native



Tinder Series: Fullstack tutorial

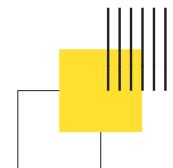
Today

Next week
06 Aug

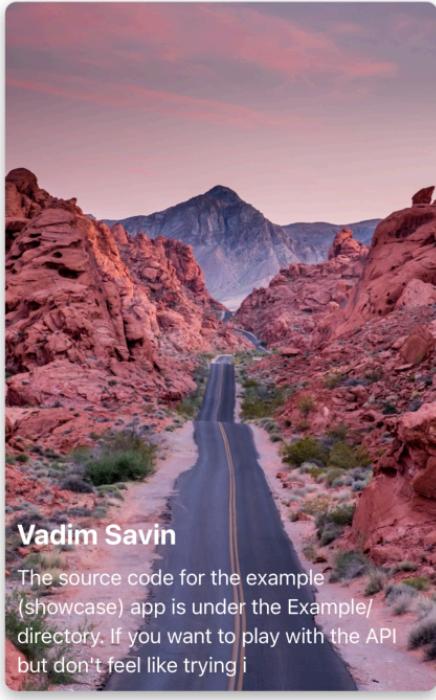


Tinder UI
React Native
Reanimated 2

Tinder Backend
Amplify

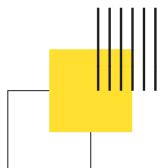


We are going to build

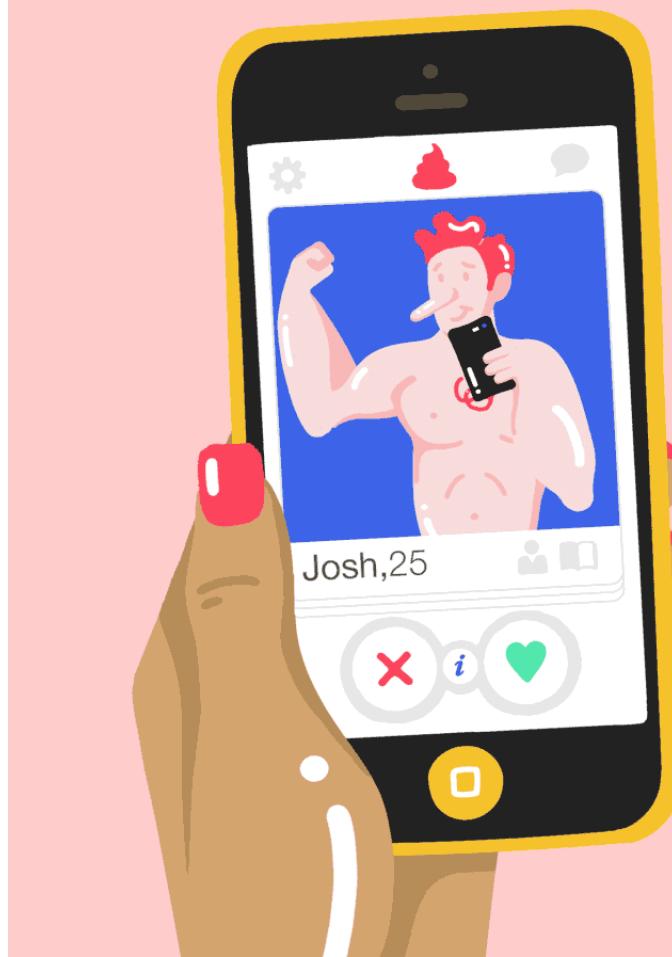
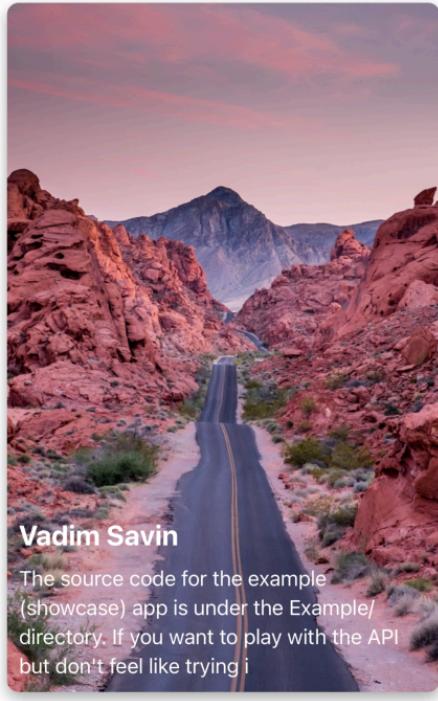


Vadim Savin

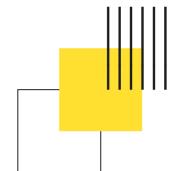
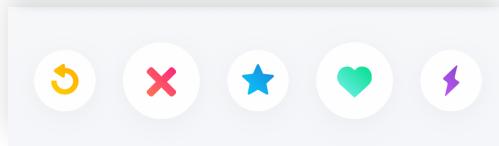
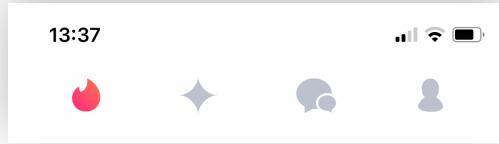
The source code for the example
(showcase) app is under the Example/
directory. If you want to play with the API
but don't feel like trying i



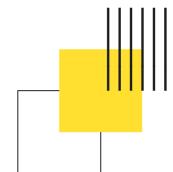
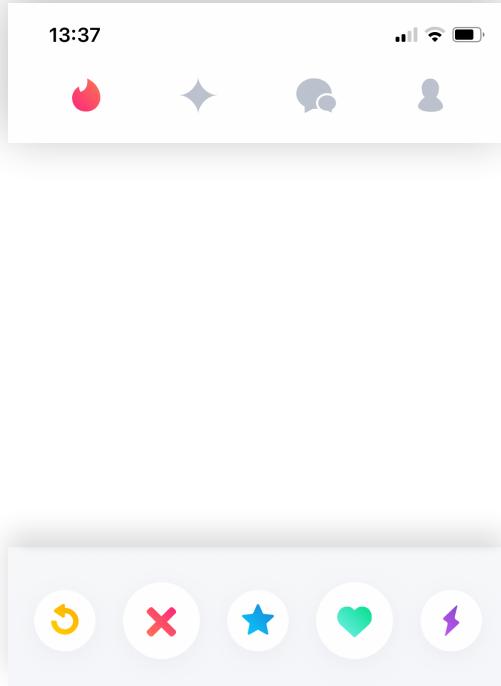
We are going to build



We are going to build



We are going to build



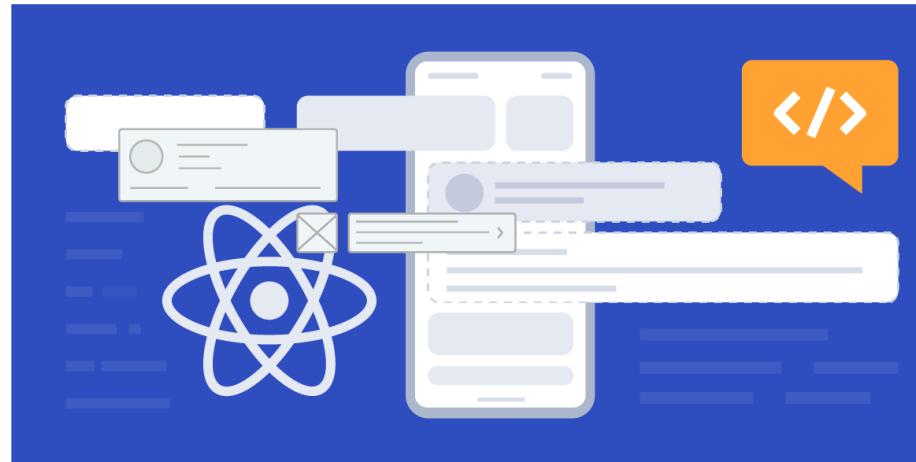
You will learn

- Setup a project using React Native CLI
- |||
- |||
- |||
- |||
- |||
- |||
- |||



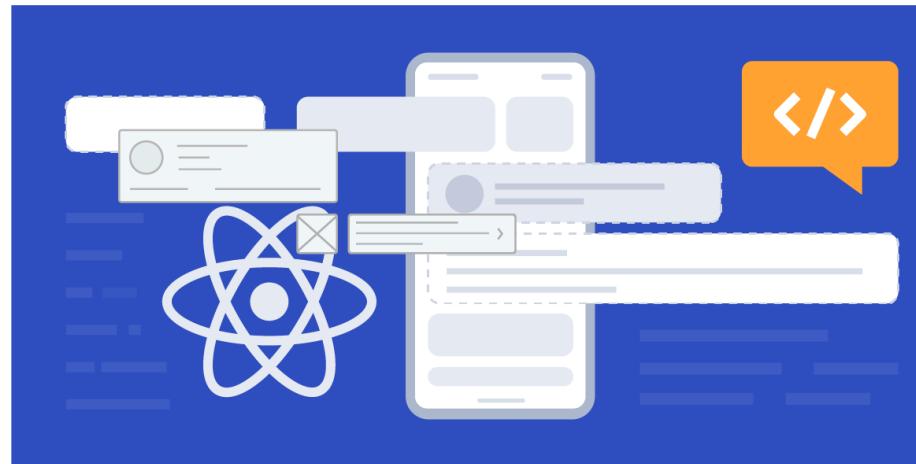
You will learn

- Setup a project using React Native CLI
- Render built-in elements/components



You will learn

- Setup a project using React Native CLI
- Render built-in elements/components
- Create your own components



You will learn

- ||| - Setup a project using React Native CLI
- ||| - Render built-in elements/components
- ||| - Create your own components
- ||| - Functional components & Hooks
- |||
- |||
- |||
- |||
- |||



You will learn

- ||| - Setup a project using React Native CLI
- ||| - Render built-in elements/components
- ||| - Create your own components
- ||| - Functional components & Hooks
- ||| - Props & State

- |||

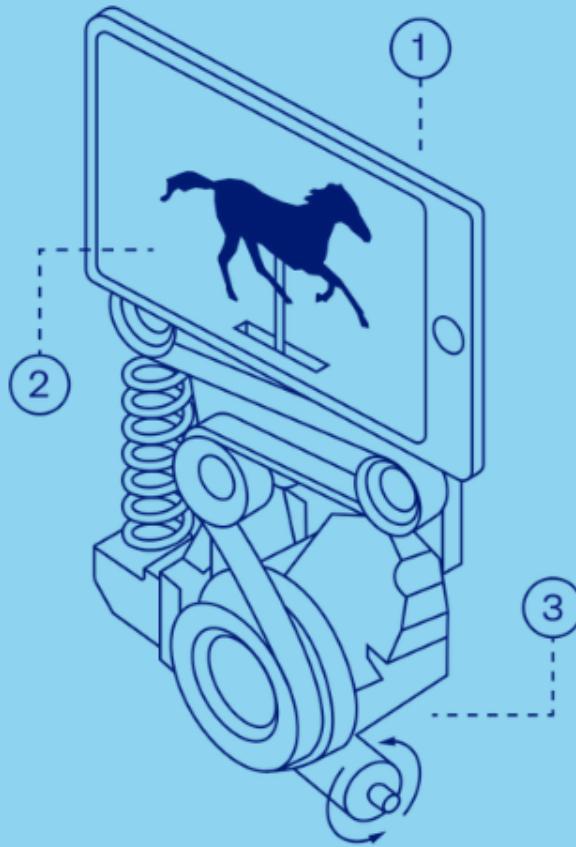
- |||

- |||

- |||



React Native Reanimated 2





Who am I



- Full stack developer for >7yrs
- Founder and CTO
- ex Amazon SDE
- Passionate about coding and building impactful startups.

I AM **notJust**
//developer



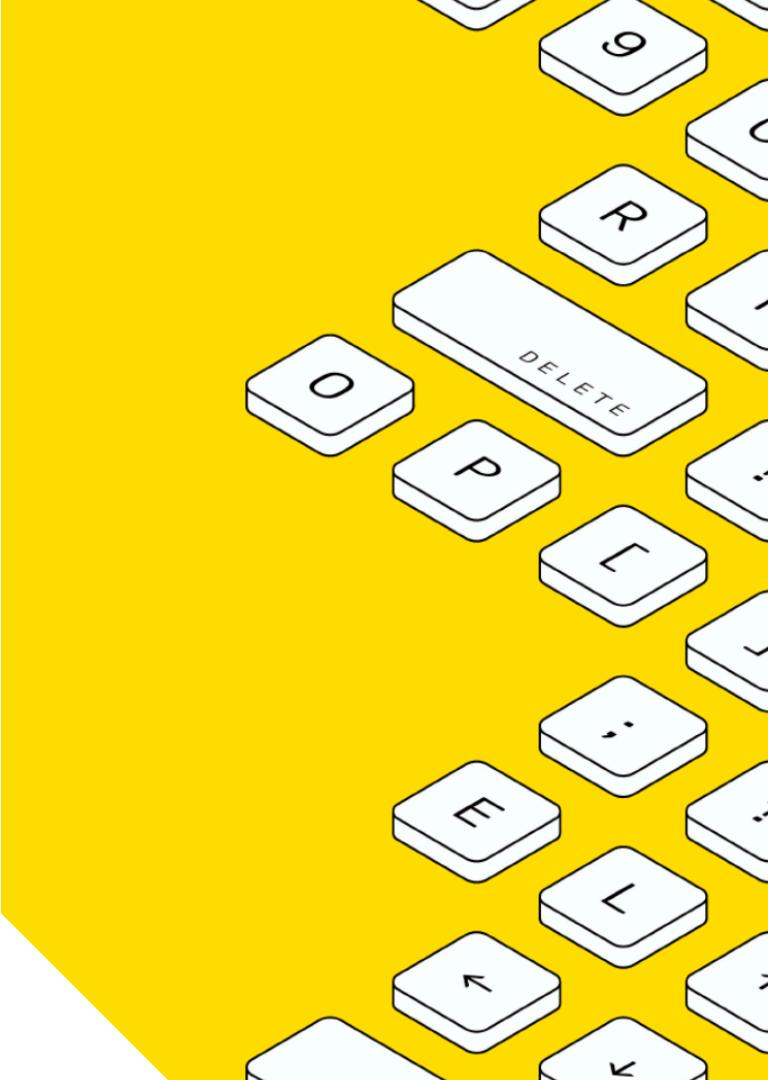
@VadimNotJustDev



New channel members

Member	Current level
Manish Enishetty	notJust Developer Junior
Sayan Sen	notJust Developer Mid
webgoonie	notJust Developer Junior
Sharrod Hines	notJust Developer Senior
ch vamsi krishna	notJust Developer Mid
이승준	notJust Developer Senior

I AM notJust
//developer



Prerequisites

1. Asset Bundle (dummy data, images, icons, PDF presentation, unlimited karma):

||| <https://assets.notjust.dev/tinder>

2. React Native environment setup

||| <https://reactnative.dev/docs/environment-setup>



notJust

//development



Let's get started



Let's get started

- 1. Initialise the react native project:

```
$ react-native init TinderClone
```

- 2. Run the development server

```
$ yarn start      $ npm start
```

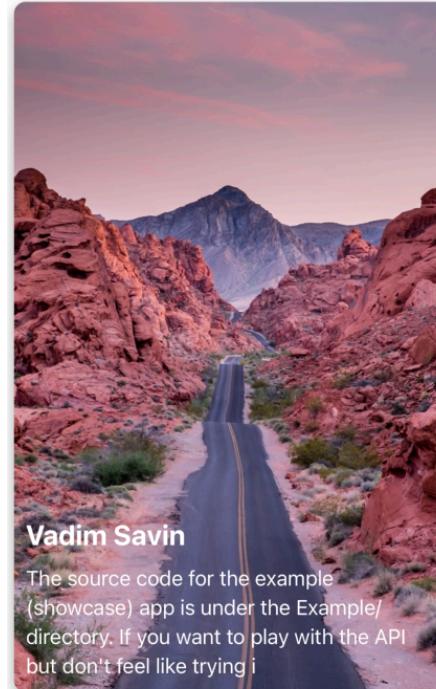
- 3. Run on emulator (android or iOS)

```
$ yarn android    $ yarn ios
```

Tinder Card



1. Image Background
2. Name and bio
3. Shadow



Reanimated



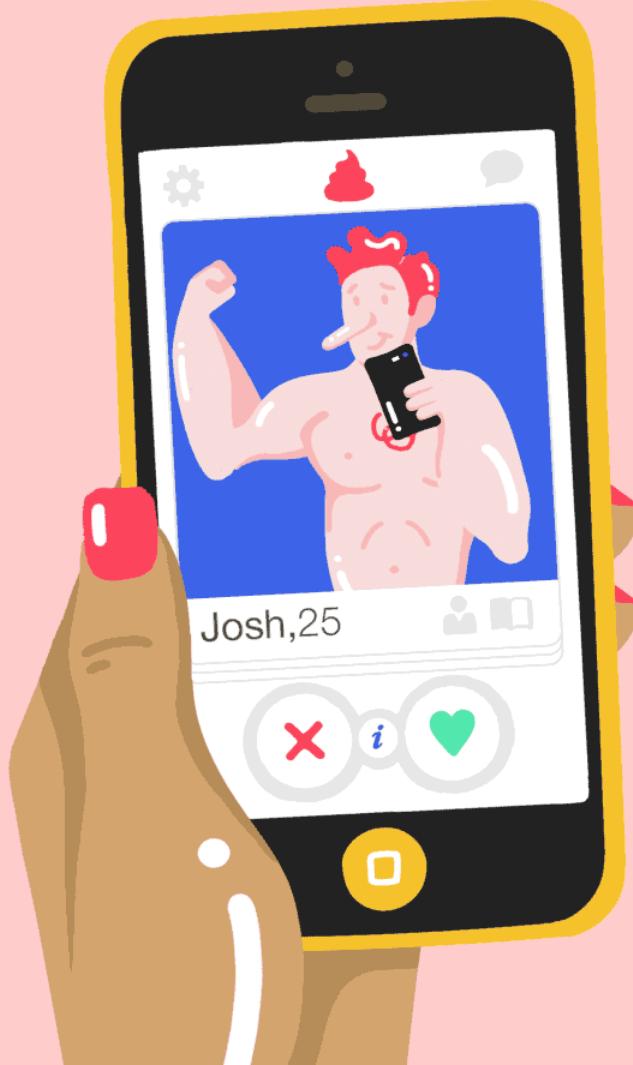
1. Install Reanimated

<https://docs.swmansion.com/react-native-reanimated/docs/installation>



2. Install Gesture Handler

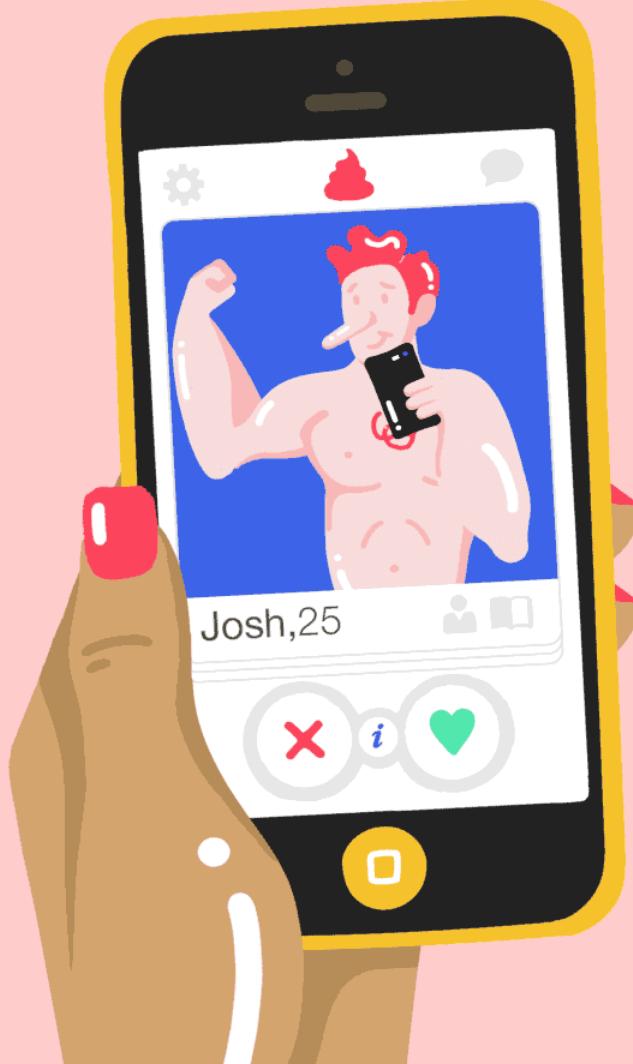
<https://docs.swmansion.com/react-native-gesture-handler/docs/>

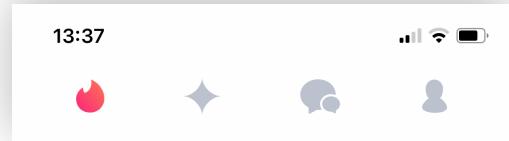


Animations



1. Card follows the touch
2. Remember the starting position of the card
3. Rotate the card
4. Stack of cards
5. Like/Nope
6. Refactor

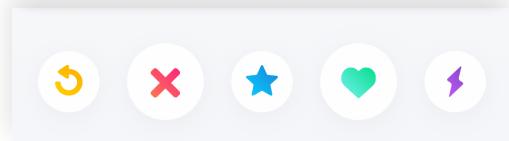




Navigation icons



1. Install vector icons
2. Render top row
3. Render bottom row



Matches Screen



1. User Item component
2. List of users (matches)



notJust
//development



Q&A



notJust

//development



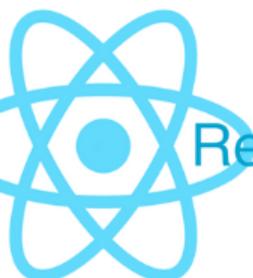
Next Friday: 06 Aug, 14:00 GMT

Tinder Backend w/ Amplify

- Authentication
- API & Database
- Matching mechanism
- and more



tinder clone



React Native



AWS Amplify



Tinder Series: Fullstack tutorial

Previous week

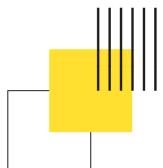


Tinder UI
React Native
Reanimated 2

TODAY



Tinder Backend
Amplify



notJust

//development

Admin UI



Admin UI

YoutubePrep > staging ▾

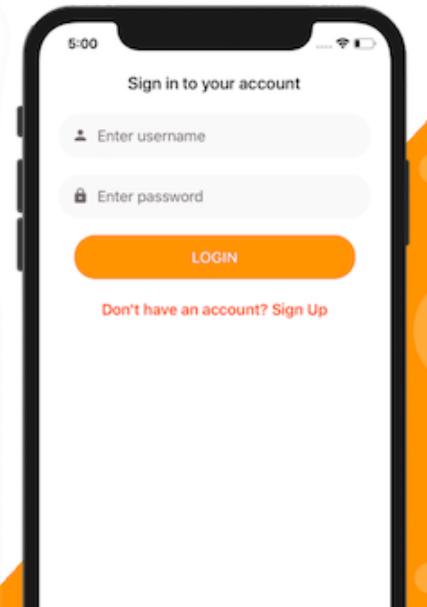
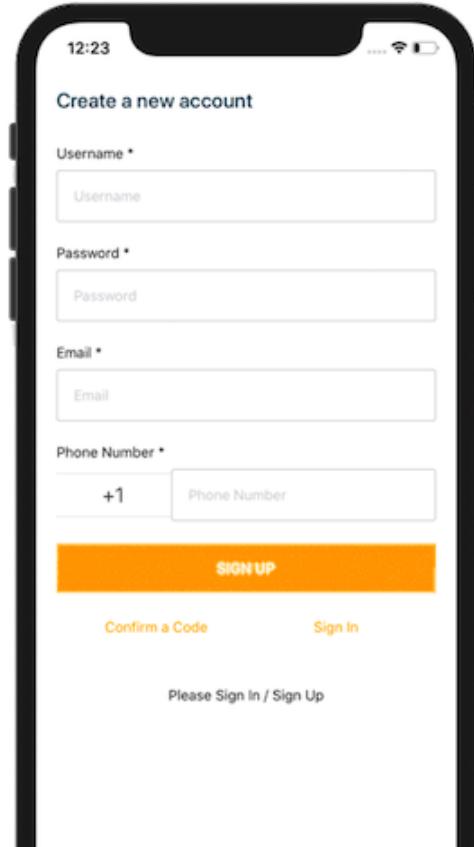
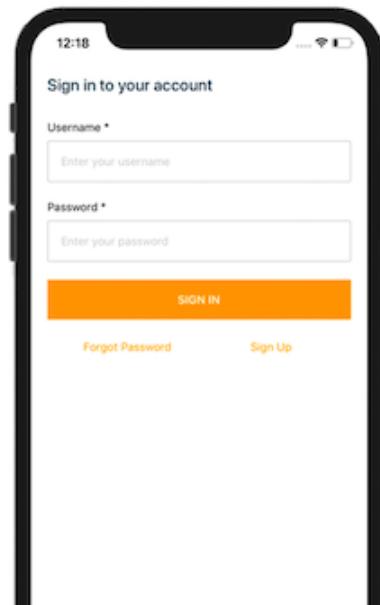
Deploying... ⏲

The screenshot shows the NotJust Admin UI interface. At the top, there's a navigation bar with the title "Admin UI", the project name "YoutubePrep > staging", and a "Deploying..." status indicator with a progress bar. The main content area features a large heading "Welcome back to **YoutubePrep's** **staging** environment". Below this, a section titled "Things to do next" lists several items with icons and descriptions:

- Data model**: Iterates on your app's data model. Create relationships between models and set up authorization rules.
 - Deploying
 - [Create data model](#)
 - [Manage app content](#)
- View and edit app content**: Use our content editor to create new records or manage existing ones.
- Configure log in and sign up**: Configure password-protected login for your app or leverage 3rd party authentication providers.
 - Deployed
 - [View authentication settings](#)
- Users and groups**: Create users or manage your existing user base. Add users to groups, edit user attributes, and suspend users.
 - [Manage groups](#)



Authentication



Data modeling



Data modeling

🕒 Deployed View and edit your app's data models, add fields, and relationships.

Auth

Co

Add model

Save and deploy

Comment

Field name

id

Type

ID!

videoID

Relationship Source

+ Add a field

Relationship name

Video

Related to

Video

Cardinality

1:1 one Comment to one Vi...

+ Add a relationship

Video

Field name

id

Type

ID!

content

Type

String

title

Type

String

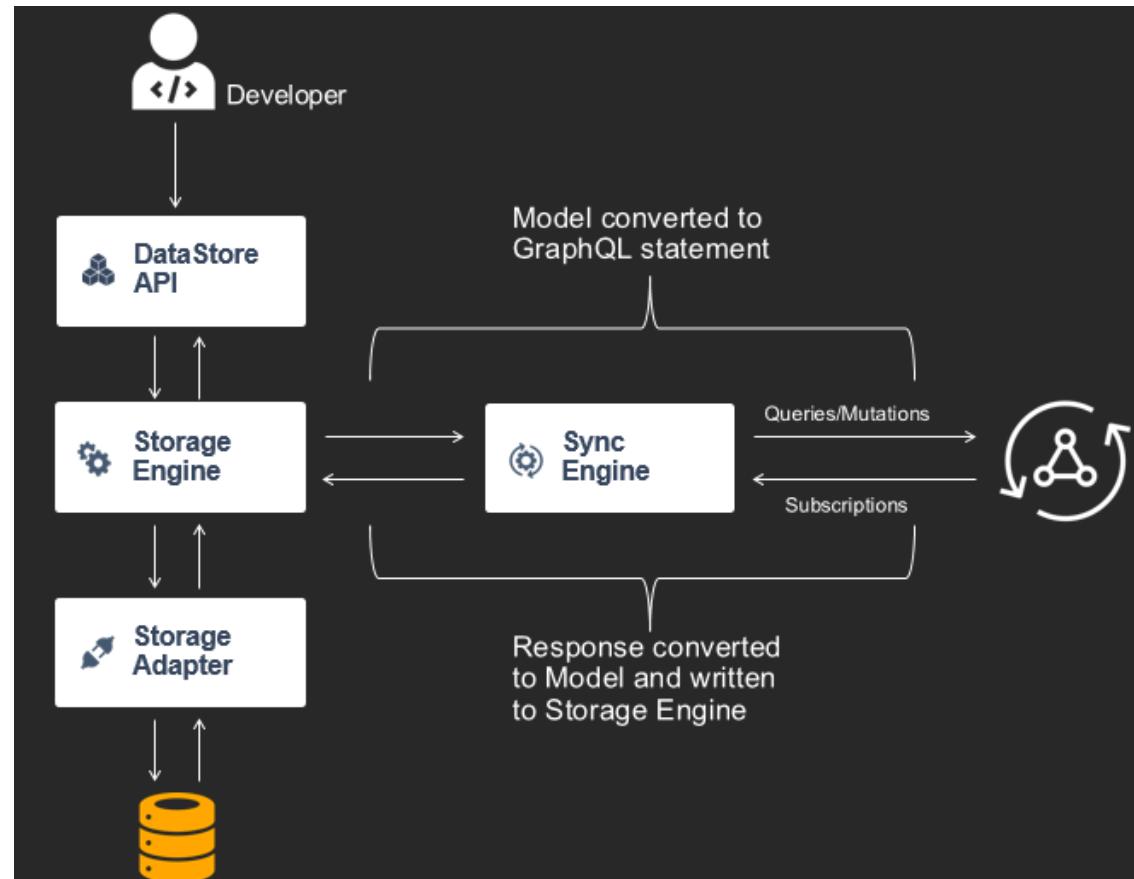
untitledfield

Type

String

Datastore

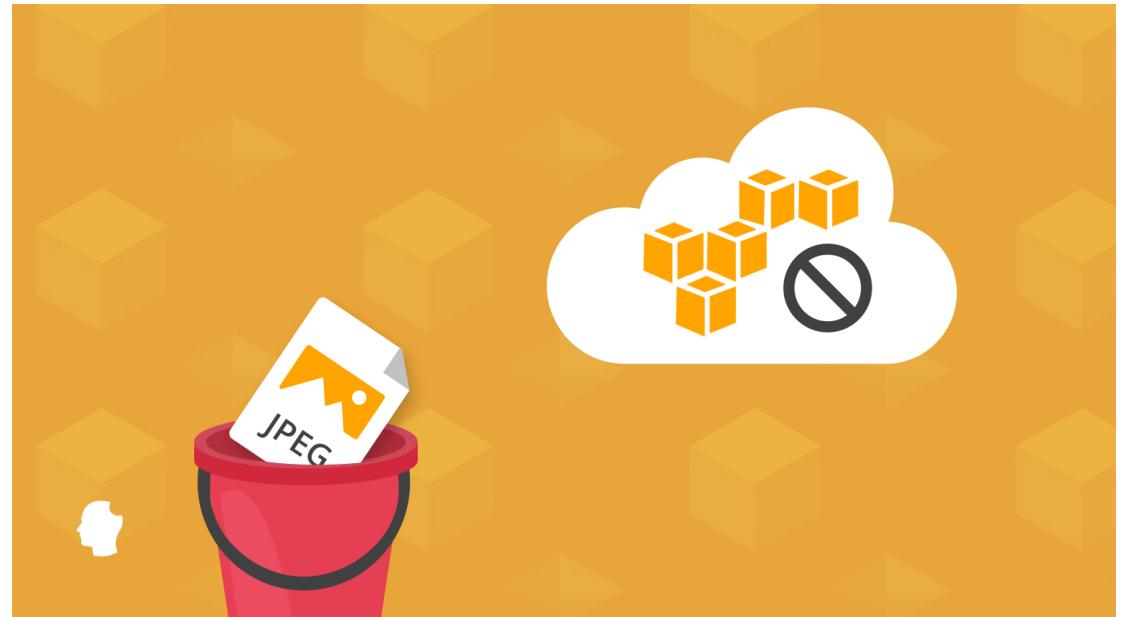
- ||| 1. Query Users
- ||| 2. Query Matches
- ||| 3. Create Matches
- |||
- |||
- |||
- |||



Media Storage



AWS S3 storage





Who am I



- Full stack developer for >7yrs
- Founder and CTO
- ex Amazon SDE
- Passionate about coding and building impactful startups.

I AM **notJust**
//developer



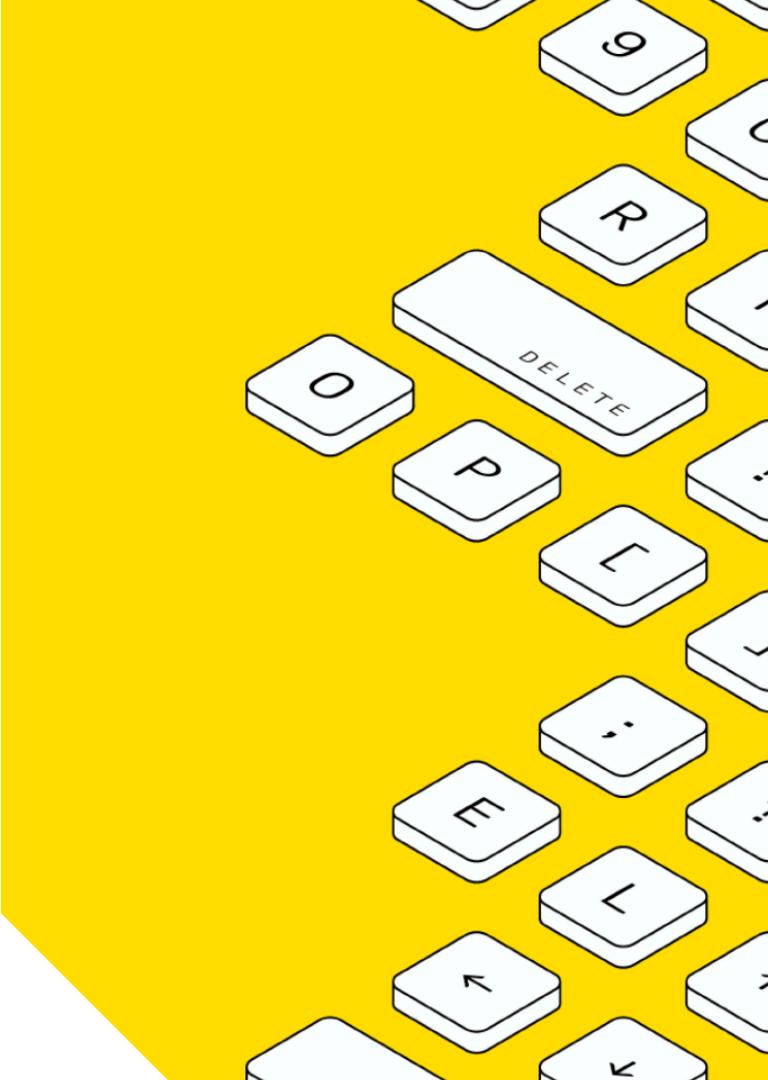
@VadimNotJustDev



New channel members

Member	Current level
Rico J	notJust Developer Junior
James _____	notJust Developer Junior
Berkan Erdal	notJust Developer Mid
Rik Abuirshaid	notJust Developer Junior
M Magomed SOULEYMA...	notJust Developer Junior
Özgür Köy	notJust Developer Junior
Diko	notJust Developer Junior

I AM notJust
//developer



Prerequisites

1. Asset Bundle (dummy data, images, icons, PDF presentation, unlimited karma):

||| <https://assets.notjust.dev/tinder>

2. React Native environment setup

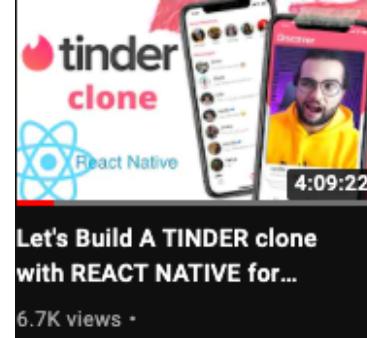
||| <https://reactnative.dev/docs/environment-setup>

3. AWS Account

|||

|||

|||

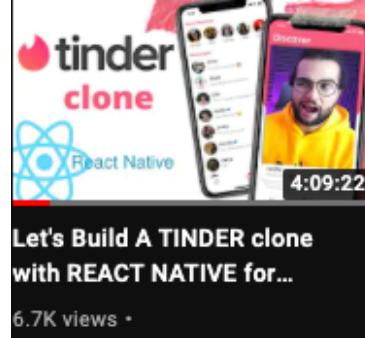


<https://youtu.be/n1o9sEiiydo>

Starting point

1. Part 1





<https://youtu.be/n1o9sEiiydo>

Starting point

1. Part 1

Didn't follow part 1, but want to follow along now?

- 2. Clone the repo (UI branch): <https://github.com/Savinvadim1312/TinderClone/tree/ui>
- 3. Install dependencies (yarn install, npx pod-install)
- 4. Run the dev server (yarn start)
- 5. Run the app on your device (yarn iOS) (yarn android)

notJust

//development



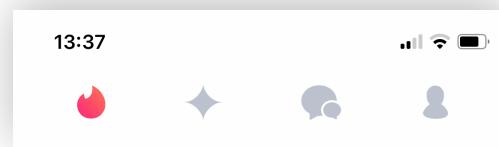
Let's get started



Navigation icons



1. Install vector icons
2. Render top row
3. Render bottom row

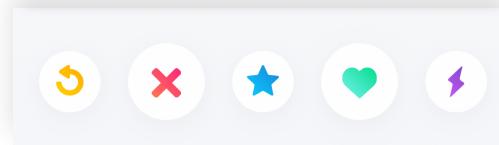


Top icons:

```
<Fontisto name="tinder" size={24} color={color} />
<MaterialCommunityIcons name="star-four-points" size={24} color={color} />
<Ionicons name="ios-chatbubbles" size={24} color={color} />
<FontAwesome name="user" size={24} color={color} />
```

Bottom icons:

```
<FontAwesome name="undo" size={24} color="#FBD88B" />
<Entypo name="cross" size={24} color="#F76C6B" />
<FontAwesome name="star" size={24} color="#3AB4CC" />
<FontAwesome name="heart" size={24} color="#4FCC94" />
<Ionicons name="flash" size={24} color="#A65CD2" />
```



Create Amplify Project



- Navigate to Amplify page (search on AWS Console)
- New app -> Create app backend
- Open Admin UI



Admin UI DeleteMe >

Welcome back to **DeleteMe** staging environment

Things to do next

Data model
Iterate on your app's data model. Create relationships between models and set up authorization rules.

Create data model Manage app content

Deployment activity

Search deployment activity

Category Timestamp

Setup Authentication



Admin UI YoutubePrep > staging ▾

Home
Manage
Content
User management
Set up
Data
Authentication
Functions
Storage
GraphQL API
REST API
Analytics
Documentation ?
Support ?

Authentication

Deployed Configure how your users log in and sign up to your app.

1. Configure login

Add login mechanisms

Authentication has been deployed so username, email, and phone number mechanisms can't be changed.

Email

Enable your users to sign in with their email address. Email login is protected by password challenge.

Add login mechanism ▾

Multi-factor authentication

2. Configure sign up

Select which attributes you require from your customers.

Sign up settings can't be changed after authentication has been deployed

Email

Add attribute ▾

Password protection settings

Reset all authentication settings and users

Save and deploy

Data Modeling

The screenshot shows the Admin UI interface for data modeling. On the left, a sidebar menu includes Home, Manage (Content, User management), Set up (Data, Authentication, Functions, Storage, GraphQL API, REST API, Analytics), Documentation, Support, and Feedback.

The main area is titled "Data modeling" and shows two models:

- Comment**:
 - Field name: id (Type: ID!)
 - Field name: videoID (Relationship Source)
- Video**:
 - Relationship name: Video (Related to: Video, Cardinality: 1:1 one Comment to one Vi...)

At the top right, there are "Save and deploy" and "Deploy" buttons.

Pull the changes



Install Amplify CLI (if you don't have it):

```
$ curl -sL https://aws-amplify.github.io/amplify-cli/install | bash && $SHELL
```



Pull the backend into React Native app:

```
$ amplify pull --appId APP_ID --envName staging
```



Configure Amplify

In App.tsx:

```
import Amplify from "aws-amplify";
import config from "./src/aws-exports";
Amplify.configure(config);
```

Configure Auth

In App.tsx:

```
import { withAuthenticator } from "aws-amplify-react-native";  
...  
export default withAuthenticator(App);
```

Integrate Datastore



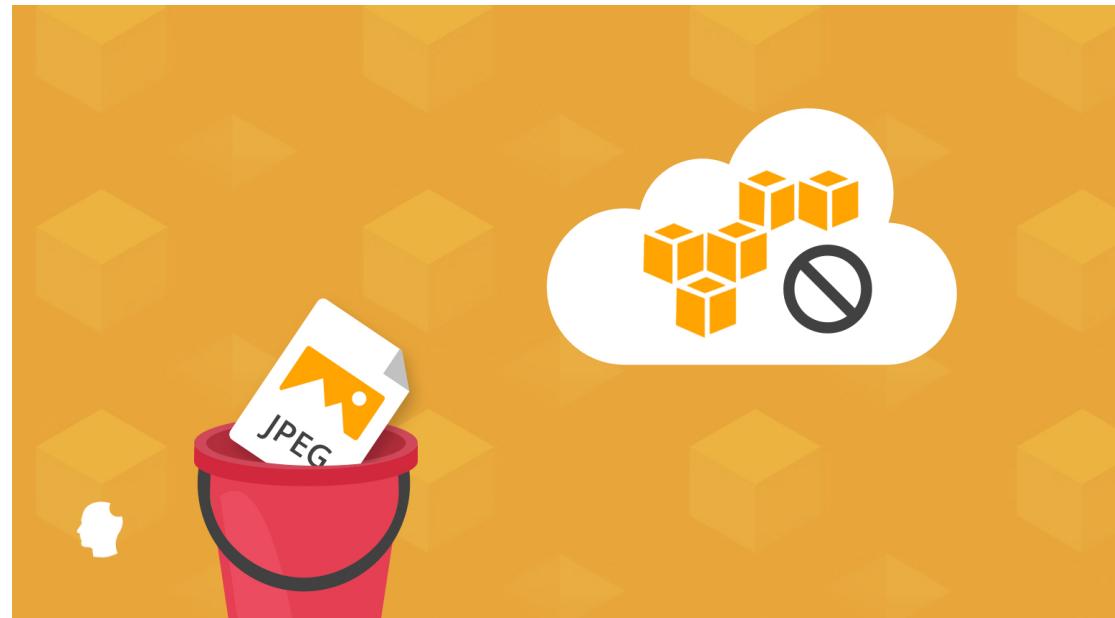
- Fetch users
- Fetch matches
- Add match



Media Storage



AWS S3 storage



notJust
//development



Q&A



Troubleshooting

```
$ amplify pull --appId dpgg4504xtt7g --envName staging
\Scanning for plugins...
Plugin scan successful
^R
Opening link: https://eu-west-1.admin.amplifyapp.com/admin/dpgg4504xtt7g/staging/verify/
✓ Successfully received Amplify Admin tokens.
Amplify AppID found: dpgg4504xtt7g. Amplify App name is: YoutubePrep
Backend environment staging found in Amplify Console app: YoutubePrep
Failed to pull the backend.
Invalid feature flag configuration

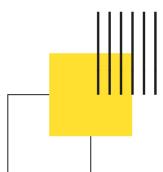
These feature flags are defined in the "amplify/cli.json" configuration file and are unknown to the currently running Amplify CLI:
- auth.breakcirculardependency
- codegen.addtimestampfields
- codegen.handlelistnullabilitytransparently

This issue likely happens when the project has been pushed with a newer version of Amplify CLI, try updating to a newer version.

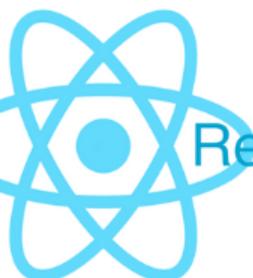
Learn more about feature flags: https://docs.amplify.aws/cli/reference/feature-flags
```

Solution:

```
npm install -g @aws-amplify/cli
```



tinder clone



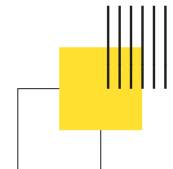
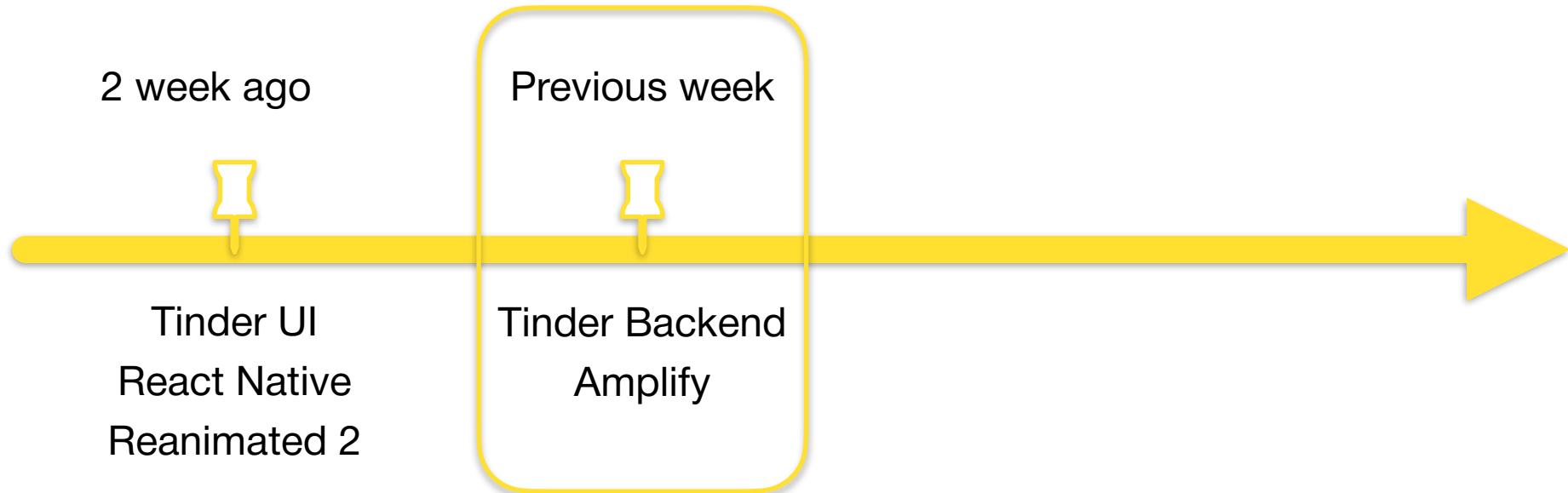
React Native



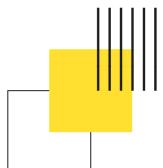
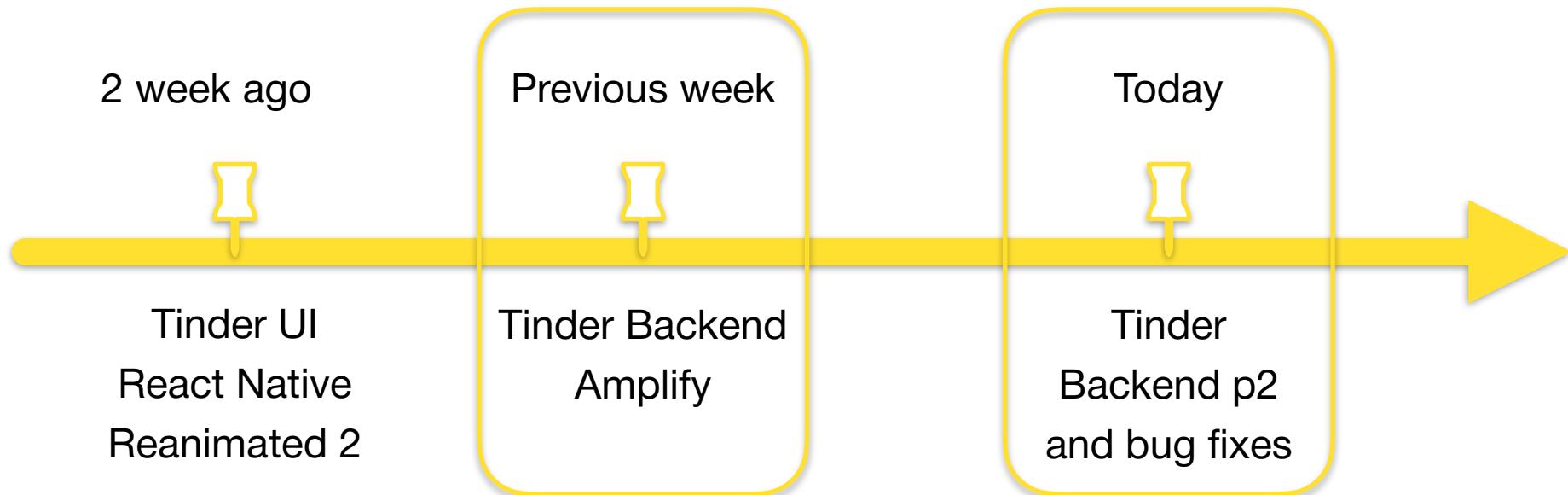
AWS Amplify



Tinder Series: Fullstack tutorial



Tinder Series: Fullstack tutorial



Prerequisites

1. Asset Bundle (dummy data, images, icons, PDF presentation, unlimited karma):

||| <https://assets.notjust.dev/tinder>

2. React Native environment setup

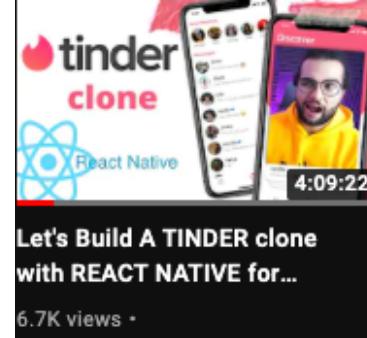
||| <https://reactnative.dev/docs/environment-setup>

3. AWS Account

|||

|||

|||

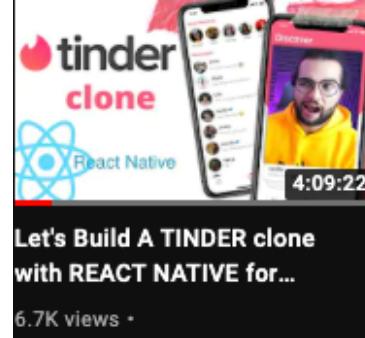


<https://youtu.be/n1o9sEiiydo>

Starting point

1. Part 1 & Part 2





<https://youtu.be/n1o9sEiiydo>

Starting point

1. Part 1 & Part 2

Didn't follow part 1 & part 2, but want to follow along now?

2. Clone the repo (Backend-1 branch): <https://github.com/Savinvadim1312/TinderClone/tree/backend-1>
3. Install dependencies (yarn install, npx pod-install)
4. Deploy Amplify backend
5. Run the dev server (yarn start)
6. Run the app on your device (yarn iOS) (yarn android)

notJust

//development



Let's get started



Disable analytics



Bug: There is a Promised unhandled exception in logs, which is coming from the analytics module, that we don't need



Fix: Disable analytics



Fix Profile page on first load



Bug: If you clean the data (uninstall and install the app) and log in into an existing profile and go to the profile page, the user data will not be loaded, and if saving new data, a new user with the same SUB will be saved



- Fix the use query
- Save isUserLoaded in context and wait until it's true



Fix Home page on first load



Bug: If you clean the data (uninstall and install the app) and then open the app, the home screen will show that there are no users.



- Fix the use query
- Save isUserLoaded in context and wait until it's true



Fix Matches page on first load



Bug: matches page is buggy, and does not show the right users.



- Fix the use query
- Query only if match is true
- Check which user should be displayed (User1 or User2)



User filtering



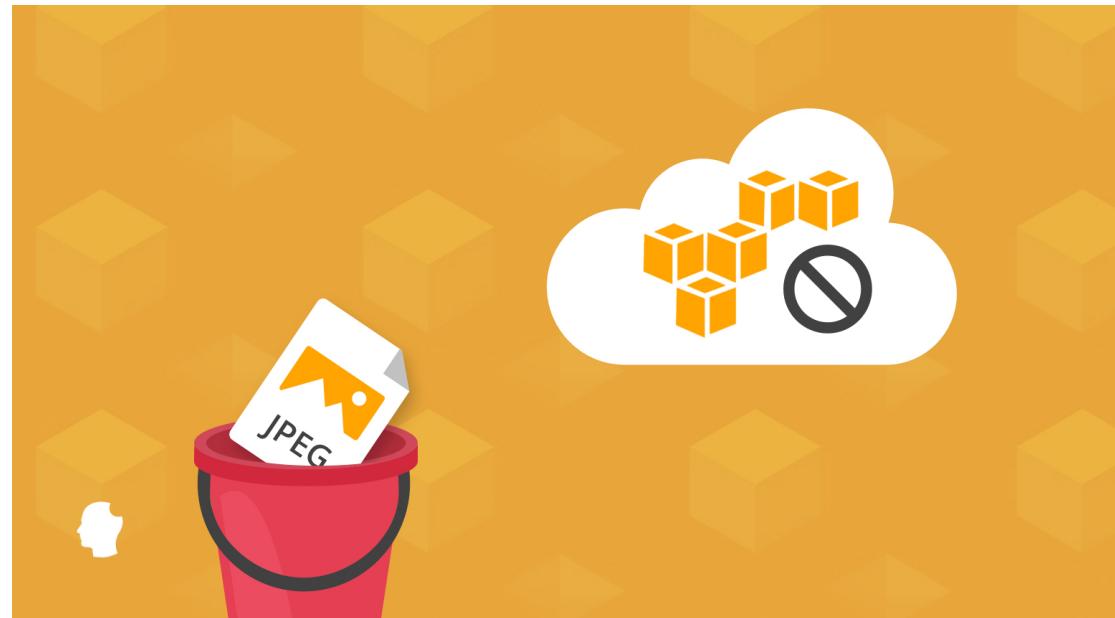
- Filter users based on “lookingFor”
- Don’t show the same users twice



Media Storage



AWS S3 storage



notJust
//development



Q&A

