



# Feature Flag Implementation Workshop

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presented by  split

# What is Split?

Split Feature Delivery Platform



**Manage**  
feature flags



**Monitor**  
release performance



**Experiment**  
for business impact



**Feature flags**  
control user access and  
record 'who sees what'



**Performance & behavioral data**  
from engineering, product,  
and business sources



# What is a Feature Flag?



# Code Deployment

Engineers

# Feature Release

Product/Business

## Canary Releases

- ▶ Incrementally roll out changes
- ▶ Minimizes risk if something goes wrong

## Kill Switch

- ▶ Immediately turn off a feature that is broken in production



## Testing in Production

- ▶ Target user groups that should have access to the feature, test with them while the flag is off, turn the flag on when you already know the feature is working

## A/B Testing

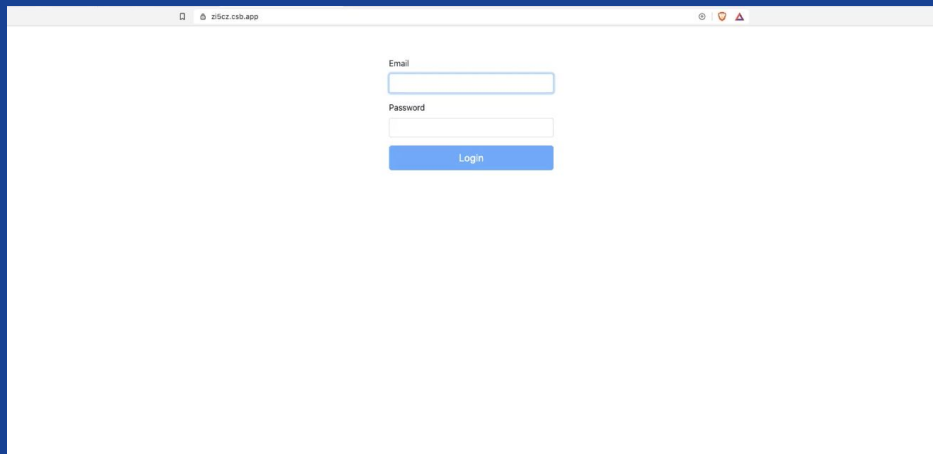
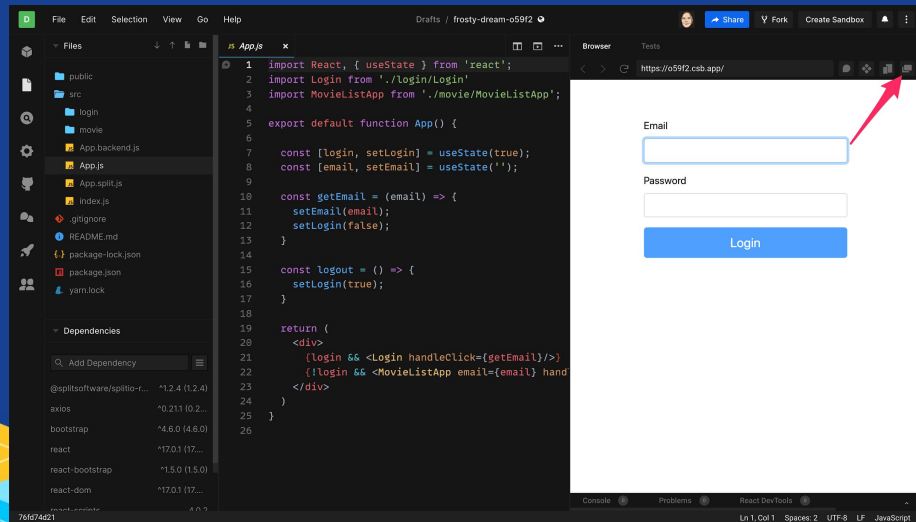
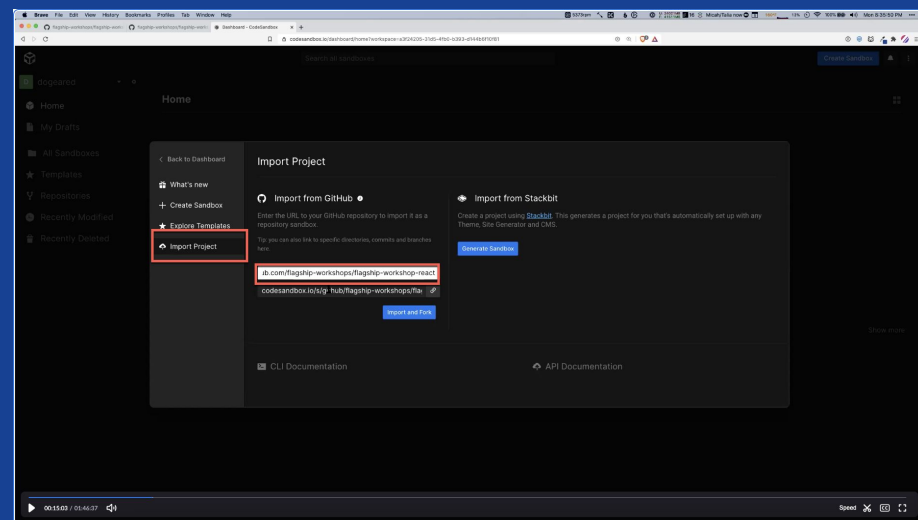
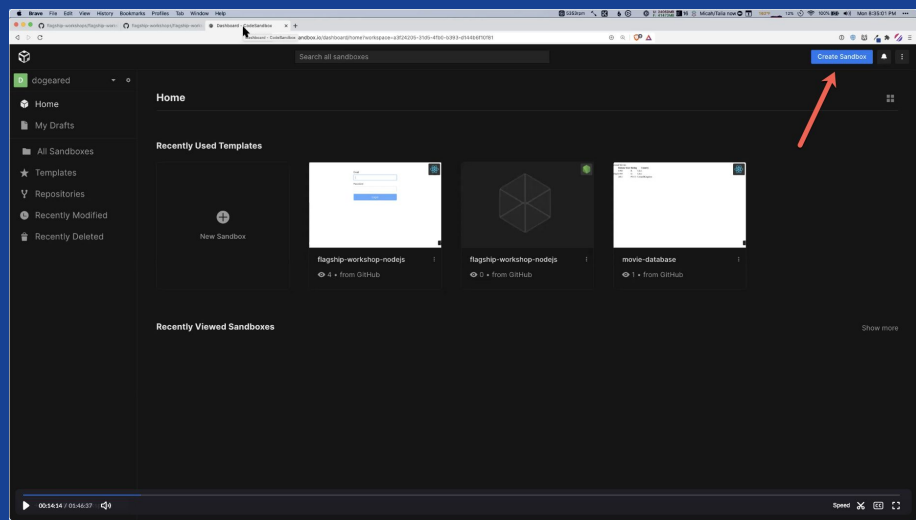
- ▶ Give different user groups different experiences and measure the impact of each change



# Into Action!

- ▶ Movie Database app
- ▶ React frontend
- ▶ Nodejs backend
- ▶ Iterative approach
- ▶ <https://codesandbox.io>
- ▶ Repos: <https://github.com/flagship-workshops>
  - ▶ /flagship-workshop-react
  - ▶ /flagship-workshop-nodejs







## ▼ Define treatments

What are the different variations of this feature? Define the treatments and add a description for each to quickly explain them.

[Learn about multivariate treatments](#)

Treatment

Description

 INTERNATIONAL

Enter description

 USA

Enter description

Add treatment

## ▼ Set the default rule

For any of your customers that weren't assigned a treatment in the sections above, use this section to define the default rule.

serve

 USA



DE

My work

DE

Default

current workspace

Switch workspace

TA

talia

talia@featureflagdemo.com

My settings

Sign out

DE

Demo Company

Admin settings

Invite

g approvals

g submissions

5 of 6

My segments

Segments

MEASURE

Metrics

REVIEW

Data hub

DE

Search

My Work

Environments

TARGET

Splits

Segments

MEASURE

Metrics

REVIEW

Data hub

Admin settings

Workspace settings

API keys

All environments

All traffic types

Event types

Organizational settings

Users

Groups

Security

Usage

Billing and limits

General settings

Monitor and experiment settings

Monitor window and statistics

Integrations settings

Integrations

API keys

Your API keys are unique to your organization, and an API key is required to guarantee that requests are coming from a trusted source.

Key	Workspace	Name	Type	Environments	Created by
63ep*****	All workspaces	Admin API Key	Admin	All environments	talia
c82m*****	Default	Javascript SDK	Client-side	Staging-Default	talia
ra67*****	Default	SDK	Server-side	Staging-Default	talia
gdle*****	Default	Javascript SDK	Client-side	Prod-Default	talia
1sq*****	Default	SDK			

File Edit Selection View Go Help

App.js

MovieListApp.js

MovieListApp.split.js

```
export default function useMoviesFilter(props) {
  // Filter that accepts only USA movies
  const usaMoviesFilter = (movie) => movie.country === 'USA';

  // Filter that accepts all movies
  const allMoviesFilter = () => true;

  function handleSubmit(event) {
    event.preventDefault();
    props.handleClick();
  }

  const splitConfig = {
    core: {
      authorizationKey: '2c1iif6so4aufoigahvbki1gh48ttddp6njo', // update to real auth
      key: props.email,
    },
    features: {
      'movie_filter': 'USA',
    }
  };

  const [useAllFilter, setUseAllFilter] = useState(false);

  return (
    <SplitFactory config={splitConfig} updateOnSdkUpdate={true}>
      <SplitTreatments /* names: list of features to evaluate */ names={['movie_filter'
        if (isReady, treatments) => {
          if (isReady) {
            // once the SDK is ready, 'treatments' contains valid values of the
          }
        }
      }
    </SplitTreatments>
  );
}
```

## ▼ Set the default rule

For any of your customers that weren't assigned a treatment in the sections above, use this section to place them into a treatment or randomly distribute these customers between your treatments.

serve

percentage



INTERNATIONAL

10

USA

90

## movie\_filter

Enter description

☆ | Traffic Type: User | Tags: None

Owners: Administrators talia

Environment Prod-Default

Targeting rules

Metrics impact

Live tail

Audit logs

Cancel

Save changes

Kill

**More people in Split? Limit who can do what**  
Your plan does not include permissions. [Contact us](#) to upgrade your plan to limit who can edit what across your organization.

### Define treatments

What are the different variations of this feature? Define the treatments and add a description for each to quickly explain the difference between each treatment.

[Learn about multivariate treatments](#)

Treatment

Description

INTERNATIONAL

Enter description

USA

Enter description

Add treatment

### Attach configuration to your treatments

Dynamically configure components of your feature (e.g. A button's color or backend API pagination) by defining custom JSON or Key-Value pairs.

### Create whitelists

Create a whitelist or select a segment to place specific customers (e.g. your QA team, internal team, or a limited beta) into a given treatment.

Add whitelist

### Allocate traffic

Advanced: If you're running an experiment and want to limit the number of customers that are exposed to it, you can select a specific percentage to include in the experiment.

#flagship21

12

## ▼ Set targeting rules

Target specific subsets of your customers based off of any attribute you want. (e.g. location or last-login date) These subsets w

IF


user

Add attribute (optional)

is in list ▼

talianassi@gmail.com × Enter something

serve




INTERNATIONAL ▼

Add rule

## ▼ Set the default rule

For any of your customers that weren't assigned a treatment in the sections above, use this section to place them into a treatr

serve



USA ▼