

# Frontend Developer Coding Challenge xymatic

## Goal

Build a minimal web dashboard that visualizes two analytics metrics of your choosing (fetched from publicly available API or a mocked API) as a graph visualization of your choosing.

- Base setup of the React SPA can be done in any way but *create-react-app* is a good starting point
- User and auth management can be left out, mocking login routes is sufficient
- A basic and rough typical dashboard layout is sufficient (left menu sidebar, right main area, top header bar with logo in the top left corner and profile/logout top right)
- Sample data (like impressions, users, plays, posts) can be fetched from creating your own mock api or an existing data API (twitter, wikipedia, youtube, spotify, steam etc.) of your choosing
- The data is ideally being fetched via redux actions, stored in a redux store and propagated to the views
- Use any graph style and number metric formatting that best fits the data
- Bonus: Make the visualization time frame customizable
- Bonus: Update the graph and number metrics in real-time
- Bonus: Responsive layout that allows exploring the data on mobile as well

## Tech Requirements

- React.js + Basic route management
- Redux (If you don't want to use it make a good case!)
- Some graphing/visualization framework (d3.js, nivo (<https://nivo.rocks/>)) or custom drawing (svg, canvas, ...)
- A CSS framework of your choosing (Sass, Less, CSSinJS)
- Code linting (preferably Standard JS)

## Instructions

- Create a repo and make it accessible to us. Either through invite (gitlab/github) or public repo
- Build a performant, clean and well-structured solution
- Don't hesitate to ask questions and discuss requirements with us during development
- Commit early and often. We want to be able to check your progress
- Deploy the app using the service of your choice
- Write us any finding, learning or problem that you hit along the ride