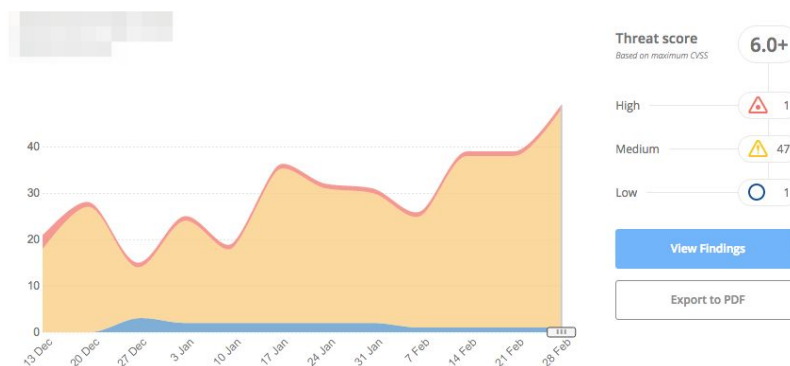# Detectify web coding challenge

For Detectify it is really important to help our customers improve their web security over time. To do this today we provide our customers with a good looking chart. (See below.)

However, even though the chart is really good looking, it does have some significant problems.

For example,
- vulnerabilities classified as high are way more critical than others but they have a tendency to disappear when you have a high amount of other vulnerabilities (y-axis)
- hard to see when new findings are introduced (one finding could be resolved and one new could be found without any change in the chart)
- provides limited incentive to solve issues

Therefore we need to figure something out. And that's where you come into the picture. The solution could be a new type of chart (bar, heatmap, circle, etc), a list, or something else.

We need you to help us **design and develop** a better (i.e. more transparent and easier to understand) way to show our users that their security is improving.

Things that might be good to know

Today's graph is used as navigation for our customers to go back in time to see old results.

Today's solution is built on D3js, React and PHP. However, we don't care which technology you use, if you like it and you think it helps you solve the problem, then use it.

Attached to this coding challenge is a json file which contains dummy data to match the graph above.

Good luck! Go hack yourself!