Area Based Coverage Maps

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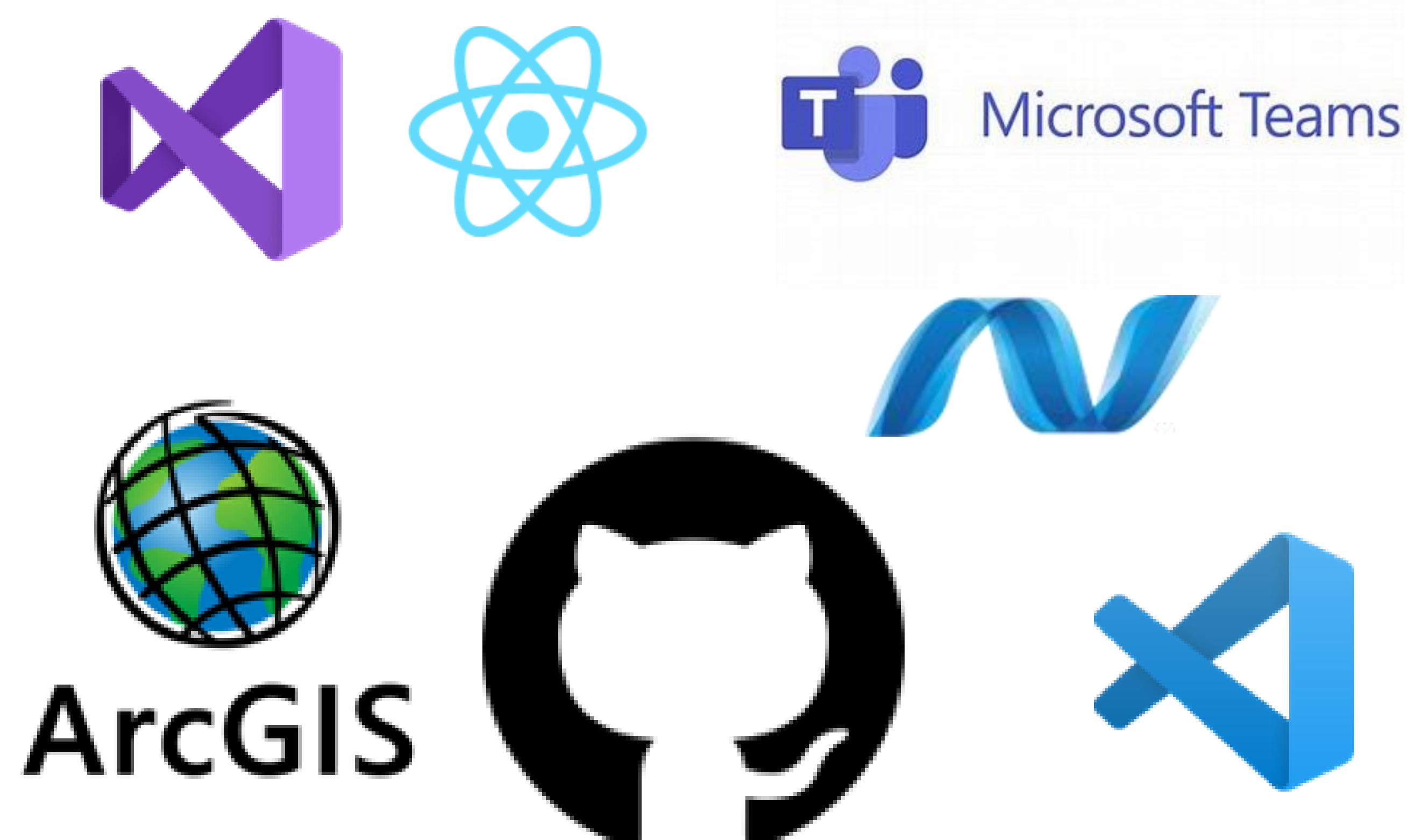Sponsor: NAU Country

Business need

NAU Country is a crop insurance provider that uses PDFs containing data about the average yields for each county, crop, and practice as a sales tool. They are currently generated using scripts, which is very slow on the county level
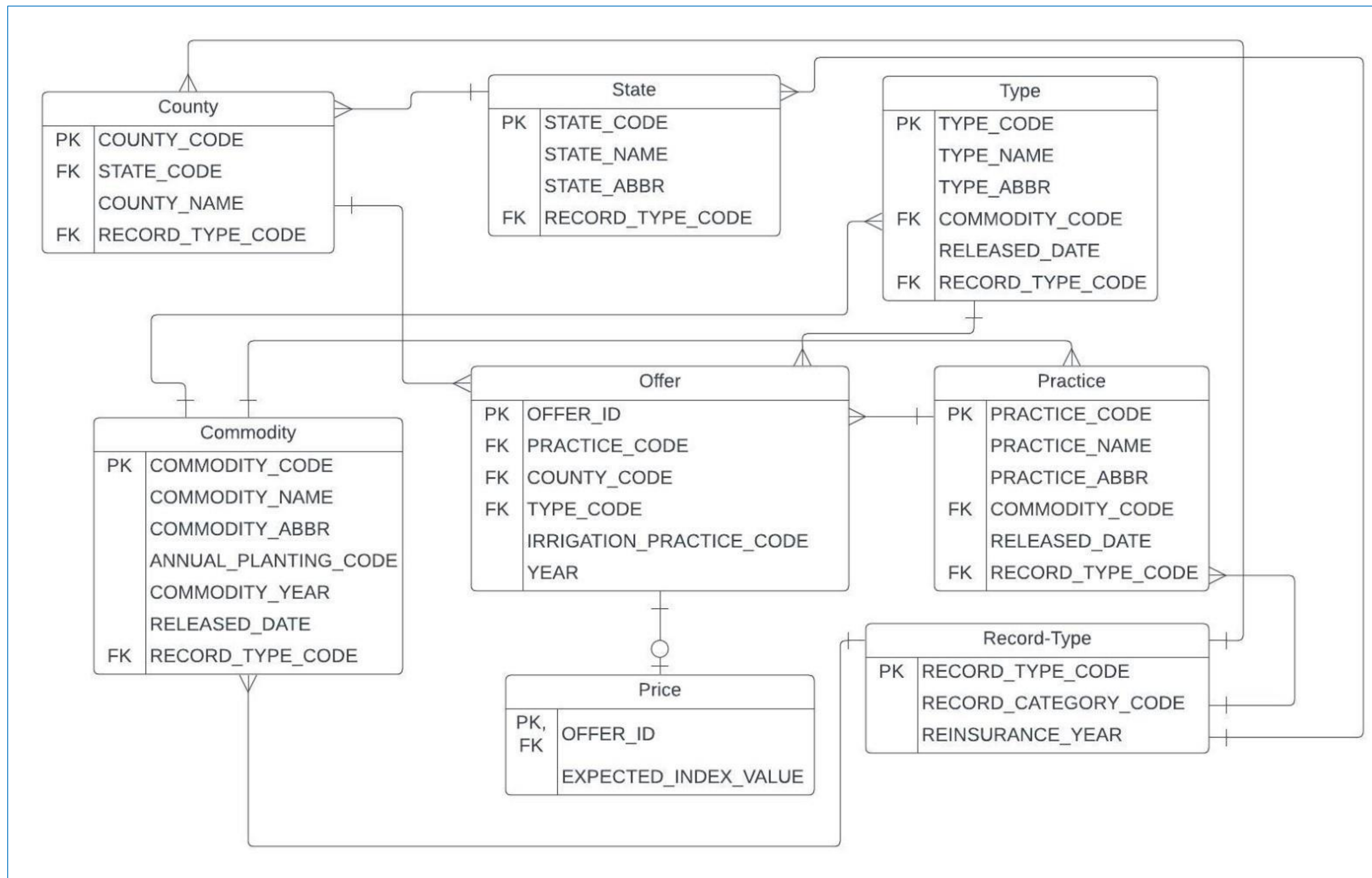

Solution

We created a Web Application that Generates exportable PDFs by selected state and crop.
The PDFs contain maps of selected state, expected yield of each county, and percent change from the previous year.

Dev phase 1

- Writing CSVs with RMA data to dictionaries
- Use dynamic PDF to generate basic PDFs for each state, commodity and practice

Dev phase 2

- Fill PDFs with state, crop and practice info
- React User Interface with drop down filters
- Generate maps with Ezri ArcGIS and add to corresponding PDF
- Regeneration mechanism

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