Greetings. We’re team sleep is optional, and are proud to introduce our crash map. We set out to build a system to ease the visualisation of data relating to motor vehicle accidents within Queensland and to show how legislative changes, public safety campaigns, modern road design and new vehicles have contributed to lower crash severities. Unfortunately, being a two person team, we promptly ran out of time after creating our visualisation tool.

Let’s take a look at this tool now. If you’d like to follow along, simply open crashmap.xyz in your browser. By default, shows a heatmap, using the thousand worst crashes recorded in the past 20 years to generate it. The colour symbolises the number of accidents and severity of them, calculated using the number of fatalities, hospitalisations and injuries. Unsurprisingly, this is mainly centred around population centres on the coast, with a handful on highways around inland cities like Mount Isa.

On the left of the screen, we can filter the types of crashes that are used to generate this. For example, we can filter this to only include crashes that happened in smoky or dusty. At the time of recording, filters were not fully implemented due to the limited time and manpower. We also planned to shift from heatmap to bubbles once you zoomed, and clicking on a single accident would show information about them.