

Rekeningrijden- team9

An application that provide a large scale enterprise system that offers her users to get insight in their monthly bills. The monthly bills are generated according to data gathered from car trackers, which are fysical devices inside of the users car

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Impact on society

What impact is expected from your technology?

What is exactly the problem? Is it really a problem? Are you sure?

With the current road taxation every driver pays the same amount every year regardless of road use.

Are you sure that this technology is solving the RIGHT problem?

Why 1: Why is the question above the problem?

Answer 1: This is a problem because the current road use creates pollution.

Why 2: Why is creating pollution a problem?

Answer 2: This is a problem because pollution affects the climate.

Why 3: Why is a changing climate a problem?

Answer 3: The global temperature is increasing significantly over the years.

Why 4: Why is the rising global temperature a problem?

Answer 4: Because our current society is structured around the current climate.

Why 5: Why is it a problem that the current society is structured around the current climate?

Answer 5: Loss of human life.

How is this technology going to solve the problem?

By calculating the road taxes based on the amount driven you guarantee that the most frequent users contribute the most.

What negative effects do you expect from this technology?

When the price rises there might be an increased demand for public transport, this might exceed the capacity of public transport.

In what way is this technology contributing to a world you want to live in?

By providing an economic incentive to drive less you reduce the pollution which is better for the climate.

Now that you have thought hard about the impact of this technology on society (by filling out the questions above), what improvements would you like to make to the technology? List them below.

No, so far we only sketched a first initial draft of the architecture according to the C4 model and we have done this before we move onto in depth design.

This means that we only sketched one facet of the C4 model which is the context diagram. We will take this report into account regarding further

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design.

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Hateful and criminal actors

What can bad actors do with your technology?

This category has not been filled yet.

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Privacy

Are you considering the privacy & personal data of the users of your technology?

This category has not been filled yet.

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Human values

How does the technology affect your human values?

This category has not been filled yet.

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Stakeholders

Have you considered all stakeholders?

This category has not been filled yet.

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Data

Is data in your technology properly used?

This category has not been filled yet.

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Inclusivity

Is your technology fair for everyone?

This category has not been filled yet.

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Transparency

Are you transparent about how your technology works?

This category has not been filled yet.

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Sustainability

Is your technology environmentally sustainable?

This category has not been filled yet.

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Future

Did you consider future impact?

This category has not been filled yet.