

Assignment 2

Bicycle Odometer – System Requirements Specification

We continue with our simple bicycle odometer from the last assignment. It shall display the current speed, the day trip distance, or the total distance ridden on the bicycle. The user can switch between the three values by pressing a button.

Write a system (behaviour) requirements specification for the bicycle odometer. Specify both the constraints on the environment of the odometer and the constraints according to which the odometer shall behave. Be rigorous, again. Use a suitable tabular notation where appropriate, in particular for the definition of mode classes.

The above description of the odometer lacks many important details, as most realistic informal requirements specifications do. When you identify such a situation, decide on a sensible solution and document it, in order to convince your “customer” of these changes and additions.

Submit your solution both on paper and by email to brederek@tzi.de (as a PostScript or Pdf file).