

*Project Proposal*

subject: Visual Editing of PSF specifications

supervisor: Bob Dierkens

programs: bachelor Computer Science, master Computer Science

required knowledge:

process algebra

course: Theoretische Aspecten van Programmatuur

description:

At <https://staff.fnwi.uva.nl/b.dierkens/psf/> a description of the project PSF can be found. The PSF Toolkit provides the opportunity to couple the simulation of a specification to an animation. Such an animation can be generated from a compiled version of the specification. We want to be able to develop a specification from a sketch of the application. We focus hereby on specifications used in a software development process (see <https://staff.fnwi.uva.nl/b.dierkens/se-pa/>). From the sketch that consists of components and the communication channels between them, it should be possible to develop a complete specification with animation.

assignment:

Develop a visual editor for producing PSF specifications and that can be integrated with the existing Toolkit.