 9. Individual Projects Steps for the Development of a Generator 1. Task Definition a. Task description b. Examples for input (DSL) c. Examples for generated output d. Description of analysis and transformation tasks 2. Structuring Phase a. Develop concrete syntax b. Specify notation of tokens c. Develop abstract syntax d. Comprehensive tests 3. Semantic Analysis a. Characterize erroneous inputs by test cases b. Specify binding of names c. Specify computation and checks of properties d. Comprehensive tests 	Lecture Generating Software from Specifications WS 2013/14 / Slide 901 Objectives: Plan the development of your generator In the lecture Refer to corresponding sections of the lecture, and to the running example.
Topic Student team A B C D E F G H	Lecture Generating Software from Specifications WS 2013/14 / Slide 902 Objectives: Overview over Projects In the lecture: The topics are explained by the authors

10. Visual Languages Developed using DEViL

Two conference presentations are available in the lecture material:

Domain-Specific Visual Languages: Design and Implemenation

Uwe Kastens, July 2007 CoRTA

- Outline:
- 1. What are visual languages?
- 2. Domain-specific visual languages
- 3. Ingredients for Language design
- 4. A Development Environment for Visual Languages
- 5. Pattern-Based Specifications in DEViL

Specifying Generic Depictions of Language Constructs for 3D Visual Languages

Jan Wolter, September 2013, VL / HCC

Dr. Uwe Ka

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Outline:

- 1. 3D Visual Languages
- 2. DEViL3D Generator Framework for 3D Visual Languages
- 3. Generic Depictions

Lecture Generating Software from Specifications WS 2013/14 / Slide 951

Objectives:

GSS-10.1

An initial understanding of visual languages

In the lecture:

Visual languages, their design and implementation is explained. The slides for the presentations can be found in the lecture material: the CoRTA presentation and the VL / HCC presentation.