

*P3 Projekt*

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SPLAT  
P4 PROJEKT  
GROUP SW407F13  
SOFTWARE  
DEPARTMENT OF COMPUTER SCIENCE  
AALBORG UNIVERSITY  
MAY 2013





**AALBORG UNIVERSITY**  
STUDENT REPORT

Titel:

SPLAT - Special Programming Language for Arduino Tipple-mixer

Project period:

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Project group:

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**FiXme Fatal: synopsis mangler**

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# Prolog

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# Problem statement 2

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# Analysis 3

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- 3.1 Current language
- 3.2 Embedded systems
- 3.3 Arduino platform





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4.1 Language

4.2 Compilers

4.3 Semantics

4.4 Syntax analysis

4.5 EBNF(Extended Backus Naur Form)

4.6 Contextual analysis

4.7 Code generation



# Design 5

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- 5.1 Syntax design
- 5.2 Semantic design
- 5.3 Code examples



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- 6.1 Scanner class creation
- 6.2 Parser generation
- 6.3 Class generator classgen
- 6.4 Scope and type checking
- 6.5 Code generation
- 6.6 Test/evaluation



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