



**FACULTY
OF MATHEMATICS
AND PHYSICS**
Charles University

High Level Assembler Plugin

Detailed Specification

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Introduction

Related Work

1. High Level Assembler

Language overview

1.1 Syntax

- statement format
- continuations
- nejake smakocinky?

1.2 Semantics

1.2.1 Conditional assembly

1.2.2 Ordinary assembly

2. Features

-cela tato sekcia uz je popisana niekde na CA wiki, mozno dobry zaklad

2.1 Language features

-zoznam veci jazyka co podporujeme

2.2 LSP features

-working plugin for vs code

- Go to definition for all symbols, macro definitions and copy members.
- Find all references
- Completion for instructions, defined symbols and macros
- Highlighting
- Hover

-non functional requirement - api kniznice??

3. Architecture

-JNI? asi by som nespominal

mirko:

a je fajn rozepsat vsechny API a takovy veci co sou po ceste

3.1 Parser library

3.1.1 Workspace manager

3.1.2 Analyzer

Parser

Processing

Checking

3.1.3 Debugger

3.2 Language server

3.3 VS code client

4. Technologies

mirko: soupis konkrétních technologií a verzí

5. Project execution

mirko:

- milestony

- gantt

- prirazeni lidi k projektum

- udelejte si cas na psani dokumentace

- je fajn mit contingency plan, co delat kdyz se to dojebe nebo ltery ficury
jsou jak prioritni

Conclusion

Future work

