



Compiler Construction/Fall 2014/Project Milestone 2 part B

Eva Rose
evarose@cs.nyu.edu

Kristoffer Rose
krisrose@cs.nyu.edu

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Welcome to the second project milestone for the fall 2014 compiler construction class at the NYU Courant Institute! Your task is to program a *type checker* for the JST language using the HACS system.

This document is *part B* of the project milestone, which covers the task of *programming* the type checker for JST in HACS.

1 Assignment

To complete part B please submit two files to the **pr2b** assignment in the NYU classes system:

pr2b-YourName.hx should contain your HACS script that implements type checking for the JST language, following the rules included with the pr2a assignment.

pr2b-YourName.pdf should explain how your code is designed and what choices it is based on, including whether you have limited or in any other way changed the JST specification, and why. Also make sure to include the SDD that corresponds precisely to what you have implemented.

Your HACS script will be checked as follows:

1. We will compile your script with a command like

```
energion1[Name]$ hacs pr2-Name.hx
```

in a directory with nothing but your files in it.

2. We run your script with a command like

```
energion1[Name]$ ./pr2-Name.run --scheme=Compile --input=Test.jst
```

using several simple *Test.jst* test files.

2 HACS

You should download HACS version 0.9 and install it; the details on how are in the *HACS Manual* linked from the class web page.