



Plugin IntelliJ pour GnuProlog

Projet de semestre 5 – HEIA-FR

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8 février 2023

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Introduction

Contexte

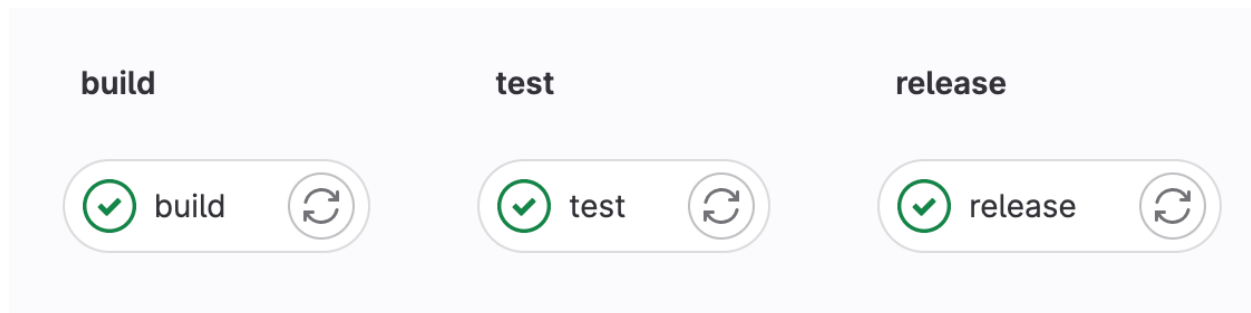
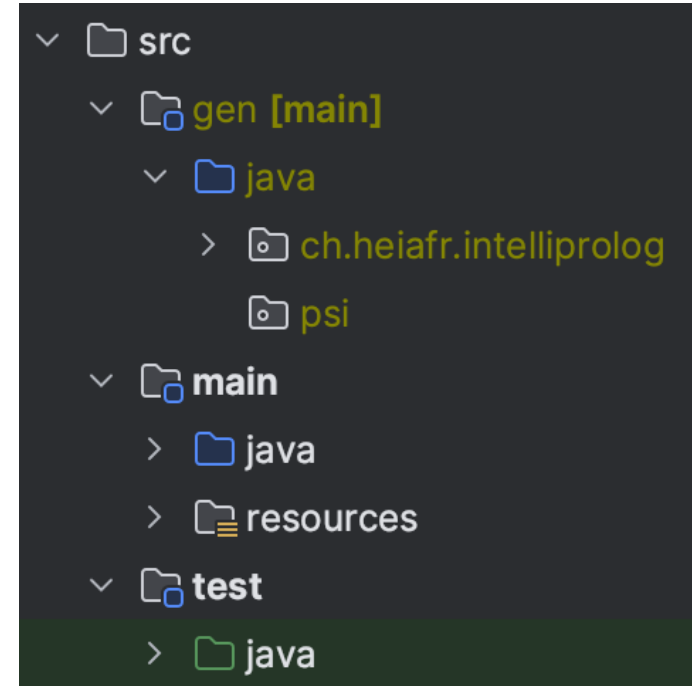
- Suite d'un projet de semestre 5 de 2018
- Cours de Prolog

But

- Réel besoin de mise à jour
- Ajout de fonctionnalités clés

Mise à jour

- Gitlab CI
- Passage en projet Gradle
- Mise à jour du SDK



Navigation

- Find usages
- Go to declaration

```
main.pl × quicksort.pl
1
2
3 :- include('quicksort.pl').
4
5
6 listEquals([], []).
7 listEquals([H1/T1], [H2/T2]) :-
8     H1 = H2,
9     listEquals(T1, T2).
10
11
12 test :-
13     List = [1,3,5,7,9,2,4,8,6,10],
14     Expected = [1,2,3,4,5,6,7,8,9,10],
15     quickSort(List, Sorted),
16     listEquals(Expected, Sorted).
17
18
19
20
```

Refactoring

- Renommage de prédicats
- Renommage de variables

```
6 listEquals([], []).
7 listEquals([H1/T1], [H2/T2]) :-
8     H1 = H2,
9     listEquals(T1, T2).
10
11
12 test :-
13     List = [1,3,5,7,9,2,4,8,6,10],
14     Expected = [1,2,3,4,5,6,7,8,9,10],
15     quickSort(List, Sorted),
16     listEquals(Expected, Sorted).
17
18
19
20
21
22
```

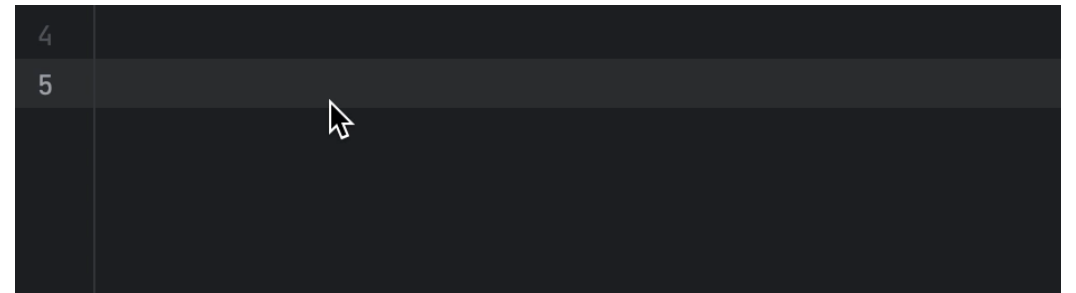
Auto-complétion

- Aide à l'écriture
- Empêche certaines erreurs

```
2
3  :- include('quicksort.pl').
4
5
6  listEquals([], []).
7  listEquals([H1/T1], [H2/T2]) :-
8      H1 = H2,
9      listEquals(T1, T2).
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12 test :-
13     List = [1,3,5,7,9,2,4,8,6,10],
14     Expected = [1,2,3,4,5,6,7,8,9,10],
15     |
16
17
18
19
20
```

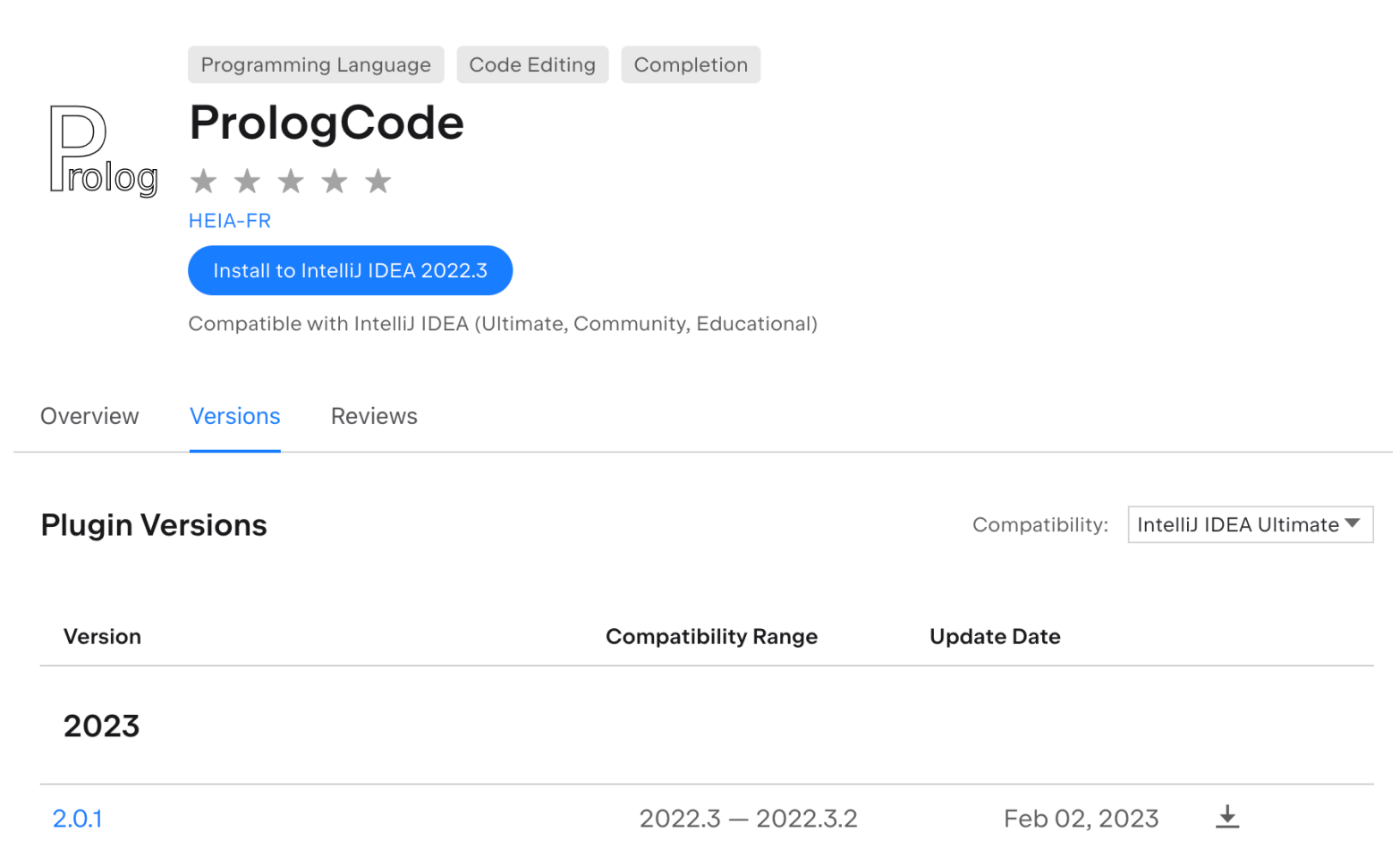
Erreurs et Warnings

- Compilation
- Retour des erreurs
- Retour des warnings



Déploiement

- Marketplace
- Github




The screenshot shows the IntelliJ IDEA Marketplace page for the PrologCode plugin. At the top, there are three tabs: "Programming Language", "Code Editing", and "Completion". The plugin name "PrologCode" is displayed with a star rating of 5 stars and the developer "HEIA-FR". A blue button says "Install to IntelliJ IDEA 2022.3". Below this, it states "Compatible with IntelliJ IDEA (Ultimate, Community, Educational)". The "Versions" tab is selected, showing a table of plugin versions. The table has columns for "Version", "Compatibility Range", and "Update Date". The current version shown is 2.0.1, compatible with 2022.3 — 2022.3.2, updated on Feb 02, 2023. A download icon is present next to the version number.

Programming Language Code Editing Completion

PrologCode
★★★★★
HEIA-FR
Install to IntelliJ IDEA 2022.3
Compatible with IntelliJ IDEA (Ultimate, Community, Educational)

Overview Versions Reviews

Plugin Versions Compatibility: IntelliJ IDEA Ultimate ▼

Version	Compatibility Range	Update Date
2023		
2.0.1	2022.3 — 2022.3.2	Feb 02, 2023 

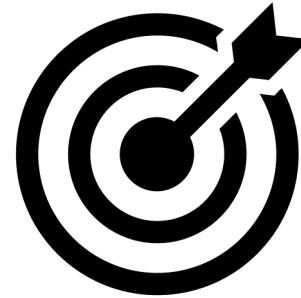
Conclusion



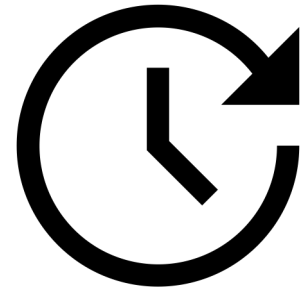
Problèmes



Satisfaction



Objectifs



Future



Merci de votre écoute

Avez-vous des questions ?