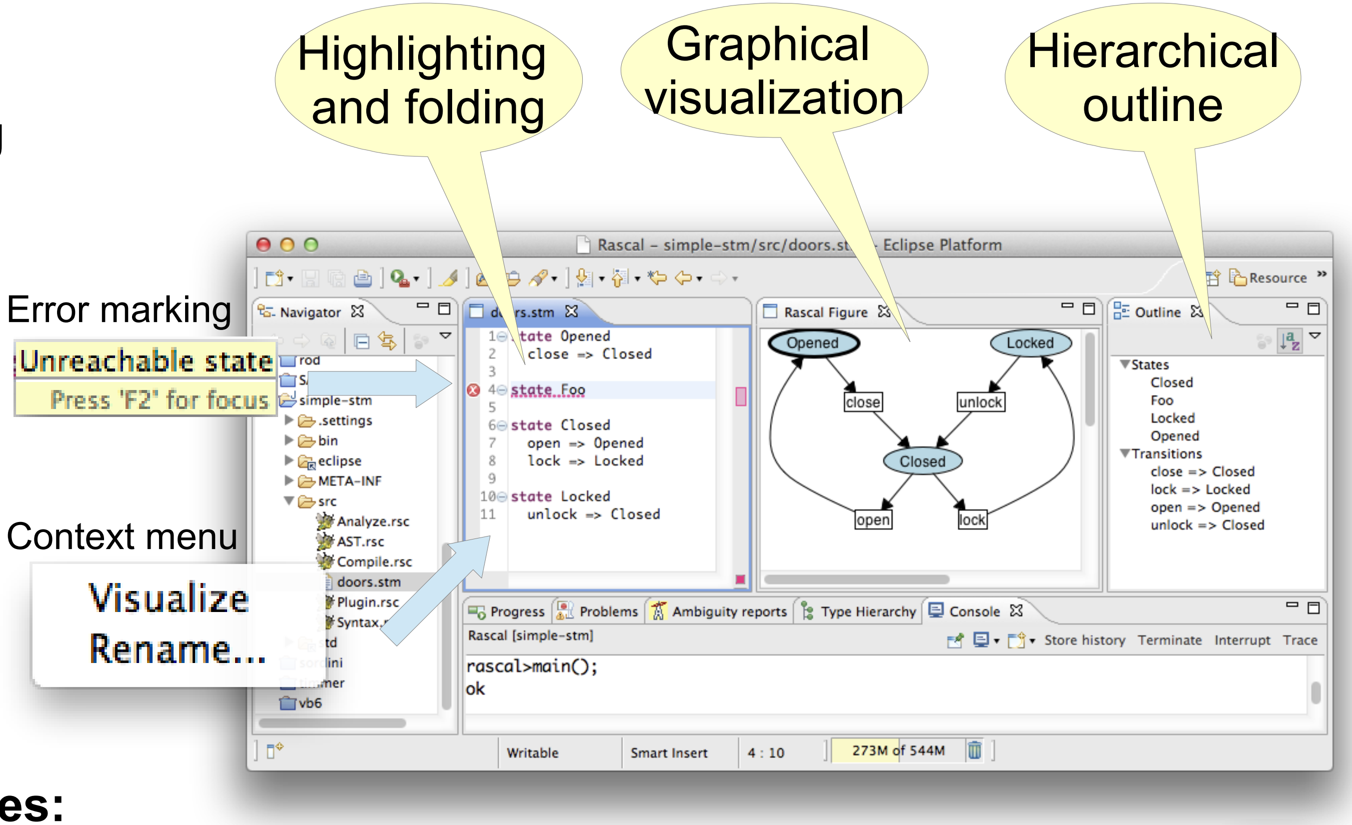
Generating an IDE using Rascal

- **Goal**: create an IDE for your DSL
- **Requirements**:
  - Syntax highlighting
  - Content assist
  - Refactoring
  - Builders
  - Error marking
  - Hyperlinking
  - Outlining
  - Folding
- **Implement IDE services:**
  - IDE services = Rascal functions
  - Register call-backs to Eclipse

- **Example**: state machine DSL



Highlighting and folding

Graphical visualization

Hierarchical outline

Error marking

Context menu

```
state Opened
  close => Closed

state Foo

state Closed
  open => Opened
  lock => Locked

state Locked
  unlock => Closed
```

```
rascal>main();
ok
```

www.rascal-mpl.org