

# Examples

JAppGen is being developed in a stepwise manner, by implementing the functionality necessary to generate a series of progressively more complex examples. Each of these will constitute a full J2EE application, in that it will display to the user a tiled front end backed by JavaServer Faces components managing input validation and navigation from screen to screen, a middle tier handling business objects, and then a persistence layer implemented with Hibernate, responsible for mapping between objects in the middle tier and a back end database.

At this stage in JAppGen's evolution, each of the sample applications will be described by a [jags](#) specification in the `eg/` directory. For example, the directory structure down to `logMeIn/` looks like:

```
+ $JAPPGEN_HOME
+ eg
  logMeIn.jags
+ logMeIn
  ...
```

As currently conceived, `logMeIn.jags` is a single file, a Relax NG schema augmented by the information necessary to generate the J2EE application.

Each of the sample applications is a step in JAppGen's specification. The intention is to specify additional functionality in small chunks and then implement the necessary changes to **jags** and JAppGen's code generation facilities. At this time our modest ambitions extend to

- **logMeIn**, a J2EE application that allows users to log in and out against a static database
- **registerMe**, an extension of `logMeIn` which allows users to also open an account, with the system sending by email a password to anyone who submits valid login parameters

These and other sample applications will appear in the menu on the left as they are formulated.