

While the user interface is drawn, the requirements are documented in EBON using *scenario\_charts* elements. The beautiful part about using EBON from the beginning is that it allows the requirements specification to be captured using natural language. Therefore no intermediate step is required between identifying the requirements and documenting them. And to demonstrate it, this is how the *scenario\_charts* for the requirements presented in Figure 1, looks like:

```

scenario_chart MENU
scenario "MENU1"
description "The
user can type check all RSL files in the workspace. Success or failure
messages will be displayed along with the list of errors in case of a
failure"
scenario "MENU2"
description "The user can translate to SML all RSL files in the
workspace. Success or failure messages will be displayed along with
the list of errors in case of a failure"
scenario "MENU3"
description "The user can run all test cases in the workspace.
Success or failure messages will be displayed along with the list of
errors in case of a failure"
scenario "MENU4"
description "The user can generate Latex files for all files in
the workspace. Success or failure messages will be displayed along
with the list of errors in case of a failure"

```

### B. Events

*Incoming* events representing user actions and *outgoing* events meant to inform the user.

### C. Components

Major components captured in BON *static\_diagrams* using *cluster\_chart* and *class*.

### D. Components communication

Component interfaces added to the interface diagram using *feature*, *require* and *ensure*. This will later result in plug-in extensions and extension points.

Update scenarios with events.

### E. Code generation

Beetlz generates the Java code from BON specification.

## III. CONCLUSION

In conclusion

## ACKNOWLEDGMENT

The authors would like to thank...

## REFERENCES

- [1] H. Kopka and P. W. Daly, *A Guide to L<sup>A</sup>T<sub>E</sub>X*, 3rd ed. Harlow, England: Addison-Wesley, 1999.