5.3   Communications Interfaces

Submission of form data must persist to the database. The website must inform the the user that their data was not properly stored in the database, and allow for resubmission. Hibernate and JPA will be used for database access from our system.

The system must interface with ITS mail servers in order to send out notification emails to students and employers.

The system will communicate over the standard protocols of HTTP and TCP/IDP. For accessing secure sections of the system, HTTPS will be used. Shibboleth will be used to authenticate users.

6 Non-functional Requirements

6.1 Performance Requirements

Number	Priority	Requirement
PR-01	High	The system shall respond to requests within 3 seconds.
PR-02	Medium	The system shall be able to handle up to 6,000 users at a time.
PR-03	Medium	The system shall load all web pages in less than 30 seconds, with the exception of reports.

6.2 Security Requirements

Number	Priority	Requirement
SE-01	High	The system shall require users to authenticate against Shibboleth with their RIT user IDs in order to access the system.
SE-02	High	The system shall not allow employers to view evaluations for a student that is not currently working for him/her.

6.3 Safety Requirements

Number	Priority	Requirement
SA-01	High	The system shall ensure integrity of its data upon database failure.
SA-02	High	Inputted user data shall not be lost.

6.4 Usability Requirements

Number	Priority	Requirement
UR-01	Medium	The system shall be usable from all major up-to-date web browsers (latest version of Chrome, latest version of Firefox, latest version of Safari, and IE 9+).
UR-02	Low	The system shall be accessible from mobile devices.

6.5 Availability Requirements

Number	Priority	Requirement
AR-01	High	The system shall be available 95% of the time.

| AR-02 | High | The system shall not time out during the evaluation submission more than 5% of the time. |

6.6   Modifiability Requirements

Number	Priority	Requirement
MR-01	High	The system shall be modifiable for future updates.
MR-02	High	The system shall allow new colleges to be added to the system.
MR-03	High	The system shall allow new departments to be added to the system.

6.7   Documentation Requirements

Number	Priority	Requirement
DR-01	Medium	The system shall include a test plan, including up to 95% code coverage.
DR-02	High	The system shall include a user manual that describes to users how to use the system.

6.8   Environment Requirements

Number	Priority	Requirement
EN-01	High	The system shall run on the ITS-provided VM at final release.

Appendix A: Glossary

Term	Definition
CES	Co-op Evaluation System
Evaluation	A form that is currently being filled out by a student or by an employer
EWA	Enterprise Web Applications, a division of ITS
Form	A template that is used to generate an evaluation for a department
ITS	Information and Technology Services
Notification	An email message that will be generated and sent to students and/or employees.
OCSCE	Office of Cooperative Education and Career Services
Report	An aggregation of submissions used to display statistics
RIT	Rochester Institute of Technology
SRS	Software Requirements Specification
Submission	A form that has been completed and submitted to the evaluator
Status	The current state of the evaluation