



Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

Faculty Kit

The faculty kit contains the evaluation strategy for the different milestones of the project and any other documents/links that may aid in the evaluation process (like sample quizzes on technologies etc)

Evaluation Strategy/Tips for the different milestones of the project

Objective

These guidelines are meant for the assessor of the project to check the progress and health of the project. Given below are some tips for evaluation at each of the important milestones of the project. These are in addition to the evaluation process that you may have in assessing the project.

Requirements Specification

Some key points that need to be evaluated on the Requirements Specification document are:

1. Clarity of the specification document
2. Validity of the assumptions made
3. Understanding of the same by all the team-members
4. Quality of the presentation

Technology Familiarization

The evaluation of this milestone can be done through a presentation by the team on the technologies that are going to be used in implementing this project. This can be followed by a quiz on those topics to evaluate the team's understanding.

Database Creation

A small write-up on the database, giving the fields specifications etc. This write-up can be evaluated on the following points.

1. Clarity and conciseness of the database design. Like, whether key is defined, whether any redundant fields are there etc.
2. Whether data-storage calculations are made, and if so, whether they are done properly etc.
3. Whether any data-backup/recovery mechanism is discussed or being thought of.

High-Level and Detailed Design

A presentation on the design followed by a viva on the same or the submission of the design document can be used for evaluating this milestone. Some points to look for in the design are:



Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

1. Whether the design covers all the requirements stated in the Requirements-Specification document. And, if not, whether any valid reasons are given for not covering some requirements.
2. Whether the pseudocode or the flow-charts given are detailed enough to proceed with implementation.
3. Whether any alternative designs are being discussed.
4. Whether the different error messages/notification formats are given in a precise form.
5. Robustness of the design (like, what would happen if the database server goes down when a user is entering an order for stamps)

Front-end implementation

A demo of the front-end can be given by the team for evaluation. Features like mail notification, actual updation of the database etc come in the next stage. This stage is for the front-end only.

Evaluation can be based on parameters like,

1. The look-and-feel of the user interface, like whether there are too many boxes/links in one page, whether any sound-effects are there (for successful/unsuccessful logins, for example) etc
2. The quality of help available for the user, like whether the help instructions match the actual implementation, whether they are simple to understand etc
3. The intuitive-ness of the design, like whether you are able to use the application without spending too much time in reading help screens etc
4. Appropriate, meaningful and non-confusing error messages where applicable etc

Integrating the front-end with the database

A full demo showing all the features of the system should be given at this stage. The stability and robustness of the application should be evaluated at this stage.

Some points to look for at this stage are,

1. Whether the demo progresses without any screen/database crashing down or hanging for ever
2. Whether all the major features are demonstrated convincingly and without any major confusion
3. Whether the team is able to create a new login for you.
4. Whether the team is able to remove your login and demonstrate that it is indeed removed from the database

Test-plan review

The test-plan document will be reviewed for its completeness/correctness and clarity. Some points to look for are,



Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

1. Whether all the requirements specified in the RS are getting tested for their functionality
2. Whether all the testcases have a description on how exactly to execute the testcase
3. Whether all the possible error scenarios (like, invalid password, etc) are getting tested
4. Whether all the possible exception scenarios (like, the database going for a shut-down operation, the items ordering screen closing down in the middle of the operation, etc) are getting tested

Final review

Final demo and the project report are used for evaluation. The intermediate presentations, documents and write-ups can also be submitted for evaluation.

Documents/References that may aid the process of evaluation

1. www.w3schools.com/asp/asp_quiz.asp (Quiz on ASP technology)
2. [Java - www.sun.com](http://java.sun.com)