

Phase 3 and Phase 4

System Requirements:

Feature Requirements:

In phase 3 we performed the assessment of the skills of the user using the dynamic statistics and results of the exercises completed. Now we are going to use that to determine the current position, and personalising the path accordingly. For this we are going to make the rules table first.

No.	User Case Name	Description	Release
1.	Rules Table 2	This table is used for analysing, the current position of the user, and what we are supposed to recommend for the current position.	R2
2.	Documentation of assessment details	The statistics if the level and the skill level on the current topic or on the previous topic must be updated into the user personalised table.	R2
3.	Script for analysis	Making the rules table to work on the statistics obtained from various analytic strategies.	R2
4.	Comparision feature	Comparing assessment details with the rules table, to check the next step.	R2
5.	Next step decision	Out of a set of next steps to be taken for a user	R2
6.	Progress report	A report of weakness, strengths, improvement areas.	R2

	Displaying the next step	making a UI functionality which suggests what to do next.	R2
7.	Updation of the report analysis	its updates the users progress towards the end of the module.	R2
8.	UI for changes	Any changes in the rules table created above.	R2

Use Case Number:	1
Use Case Name:	Rules table 2
Overview:	This table is used for analysing, the current position of the user, and what we are supposed to recommend for the current position. Designing this table is important for further analysis.
Actors:	Trainers of the trainees.
Pre condition:	There has to be a clear content and level analysis of each and every course, from the rules table 1.
Flow:	Start filling the satisfying conditions, for each exercise that has been suggested and taken by the user.
Post Condition:	Understanding the analysis.

Use Case Number:	2
Use Case Name:	Documentation of assessment details
Overview:	The statistics if the level and the skill level on the current topic or on the previous topic must be updated into the user personalised table.
Actors:	Trainers and system administrator.
Pre condition:	All the after exam result data captured has to be captured.
Flow:	1) It has to be divided into various forms of analysis like graphs, pie charts, or average analysis too. 2) Categorising them into their respective modules, to understand the overall thoroughness.
Post Condition:	Make a connection between this data and the rules table.

Use Case Number:	3
Use Case Name:	Script for analysis
Overview:	Making the rules table to work on the statistics obtained from various analytic strategies.
Actors:	Trainers and system administrator.
Pre condition:	Both the data must be obtained before.
Flow:	Write a script to connect the rules table and the analysis table together.
Post Condition:	Implementing a comparision feature.

Use Case Number:	4
Use Case Name:	Comparision feature
Overview:	Comparing assessment details with the rules table, to check the next step.
Actors:	Trainers
Pre condition:	Connected data, must be compared with the rule table conditions present.
Flow:	1) percentages of strengths and weakness
	2) percentage of weakness depending on the level at which a person is weak.
Post Condition:	Make a list of all the possible recommendations that can be given to the user.

Use Case Number:	5
Use Case Name:	Next step decision
Overview:	Out of a set of next steps to be taken for a user.
Actors:	Trainers
Pre condition:	All the results are analysed till this point.
Flow:	Organising the data into an increasing order depending on the statistics, and scheduling the next segment of the learning. and placing the

	learning material at different levels.
Post Condition:	Displaying the recommendation

Use Case Number:	6
Use Case Name:	Progress report
Overview:	A report of weakness, strengths, improvement areas.
Actors:	Trainees or the users of the platform.
Pre condition:	All the data must be organised in the backend to be displayed.
Flow:	Making a UI which mentions each weak area and recommended exercise or practice or learning material.
Post Condition:	Making the user choose what he wanted to improve first out of all those provided.

Use Case Number:	7
Use Case Name:	Updation of the report analysis
Overview:	It updates the users progress towards the end of the module.
Actors:	Trainers and Trainees.
Pre condition:	Trainees should be displayed the report analysis.
Flow:	Update the database regarding the completion of certain skill topic
Post Condition:	Making UI for changes in rules.

Use Case Number:	8
Use Case Name:	UI for changes
Overview:	Any changes in the rules table created above.
Actors:	Trainers and platform administrator.
Pre condition:	Everything is updated and is in its place.
Flow:	Any changes in rule table which might occur depending on overall analysis of all the trainees taking the same course are handled.
Post Condition:	Ready to implement.