Use Case Scenarios for Login

**Senior Lenze Employee launches the application and is directed to login page.**

1. **Senior Lenze Employee enters the login username.**
2. **Senior Lenze Employee enters the password, three scenarios could happen.**

* 2.a Senior Lenze Employee enters the correct password.
* 2.a.1 Senior Lenze Employee authenticates and is directed to the startup page.
* 2.b Senior Lenze Employee enters the wrong password.
* 2.b.1 Senior Lenze Employee is displayed with the login error.
* 2.c Senior Lenze Employee forgets the password.
* 2.c.1 Senior Lenze Employee clicks on forget password.
* 2.c.2 The system sends the email with new password to hard coded email addresses of some Senior Lenze Employees.
* 2.c.3 The Senior Lenze Employee is directed to the login page for authentication with new password.

1. **The system authenticates the user and user is directed to startup page.**

Use Case Scenarios for

Generate Test

**Senior Lenze Employee is at the startup page after successful login.**

1. **Senior Lenze Employee Enters the Test Name.**
2. **Senior Lenze Employee Select the job role for which the test paper must be generated from the drop-down menu.**



1. **Senior Lenze Employee Select the skills for which the test paper is to be generated by checking the appropriate check boxes**
2. **Senior Lenze Employee can a.) Fill the number of questions and difficulty details, b) leaves the fields blank.**

* 4.a Senior Lenze Employee Fills the details according to requirements
* 4.a.1 Senior Lenze Employee Enter the number of multiple-choice type questions:
* 4.a.1.a Senior Lenze Employee Enter the number of easy level questions.
* 4.a.1.b Senior Lenze Employee Enter the number of moderate level questions.
* 4.a.1.c Senior Lenze Employee Enter the number of difficult level questions.
* 4.a.2 Senior Lenze Employee Enter the number of System design questions:
* 4.a.2.a Senior Lenze Employee Enter the number of easy level questions.
* 4.a.2.b Senior Lenze Employee Enter the number of moderate level questions.
* 4.a.2.c Senior Lenze Employee Enter the number of difficult level questions.
* 4.a.3 Senior Lenze Employee Enter the number of coding problems:
* 4.a.3.a Senior Lenze Employee Enter the number of easy level questions.
* 4.a.3.b Senior Lenze Employee Enter the number of moderate level questions.
* 4.a.3.c Senior Lenze Employee Enter the number of difficult level questions.
* 4.b Leaves the fields with default value of zero and proceed.

1. **Senior Lenze Employee can auto generate paper and can also manually add questions.**

* 5.a.1 Senior Lenze Employee clicked auto generate button
* 5.a.2 The System selects questions randomly based on the user input, there can be two scenarios
* 5.a.2.a Only role and skill is provided
* 5.a.2.a.1 The system selects questions based on a specific format of questions just based on the role and skill.
* 5.a.2.b role, questions criteria and skill provided.
* 5.a.2.b.1 The system takes all the criteria into account and selects random questions based on that.
* 5.a.3 The system adds selected questions to the test paper questions list.
* 5.a.4 Senior Lenze Employee is directed to new page where Senior Lenze Employee can manually add and remove questions, from the paper questions list.
* 5.a.5 The system loads all the questions present in the question bank into a list.
* 5.a.6 The questions list is displayed to the Senior Lenze Employee on the left and questions bank on the right, two scenarios can occur.
* 5.a.6.a Senior Lenze Employee is satisfied with the selection of questions.
* 5.a.6.a.1 Senior Lenze Employee can proceed further for the following process.
* 5.a.6.b Senior Lenze Employee is not satisfied with the selection and want to change the questions selected. **[optional]**
* **Add the questions to the list. [optional]**
* 5.a.6.b.1 Senior Lenze Employee uses the skill drop down to filter question based on skill for which to generate the paper for.
* 5.a.6.b.1.1 Senior Lenze Employee clicks on drop down skill menu.
* 5.a.6.b.1.2 Senior Lenze Employee clicks on the skill to select it.
* 5.a.6.b.1.3 The system filters the question from the questions bank based on skill.
* 5.a.6.b.2 Senior Lenze Employee selects question/questions from questions bank by clicking on them.
* 5.a.6.b.3 Senior Lenze Employee clicks on the add button to manually add questions to the list of selected questions, two scenarios can be possible:
* 5.a.6.b.3.a Question are added successfully.
* 5.a.6.b.3.a.1 The system adds the questions to the question paper list.
* 5.a.6.b.3.a.2 Questions added to the question paper list will not be visible in the list displaying questions bank.
* 5.a.6.b.3.b Questions selected are already in the list of selected questions.
* 5.a.6.b.3.b.1 In this case only the questions which were not in list of questions selected will be added.
* **Delete the questions from the list of question paper. [optional]**
* 5.a.6.b.4 Senior Lenze Employee clicks on the question/question’s and click on the remove button.
* 5.a.6.b.5 System removes the questions from the list of questions.
* 5.a.6.b.6 System adds back all the removed questions to the questions bank.
* **Clear the list. [optional]**
* 5.a.6.b.7 Senior Lenze Employee can regenerate test if it is needed to clear the previous selection.

1. **Senior Lenze Employee Can Save generated paper into the database.**

* 6.1 After Generating test, The Senior Lenze Employee Clicks the Save paper button.
* 6.2 The system stores the paper in the database.
* 6.2.1 The system stores the questions id along with the test paper name and the date when paper was generated.

1. **Senior Lenze Employee Clicks Generate pdf button to generate the pdf with all the questions.**
2. **Senior Lenze Employee Clicks Print button to print the question paper.**

Use Case Scenarios for

Importing Questions

**The Senior Lenze Employee is at startup page after successful login.**

1. **Senior Lenze Employee click on the import questions button.**
2. **Senior Lenze Employee is navigated to a new page.**
3. **Senior Lenze Employee Import questions from Excel and can add questions manually**

* 3.1 Senior Lenze Employee Import’s questions from Excel
* 3.1.1 Senior Lenze Employee clicks Import button and dialog box for opening file appears.
* 3.1.2 Senior Lenze Employee browses and selects the file to upload and clicks open.
* 3.1.3 The system checks the file and make sure that the format is according to it’s need.
* 3.1.3.1 The system makes sure that the skill, and difficulty and question statement are provided for every question.
* 3.1.3.2 The question which have empty field for any of above fields will be discarded.
* 3.1.4 The questions are extracted and are sent to the system.
* 3.1.5 The system takes all the data and adds it in the question bank.
* 3.1.6 System displays all the imported questions to the Senior Lenze Employee
* 3.2 Senior Lenze Employee adds the question manually **[optional]**
* 3.2.1 Senior Lenze Employee clicks on the add manually button.
* 3.2.2 Senior Lenze Employee is directed to a new page.
* 3.2.3 Senior Lenze Employee selects the role from the drop down:
* 3.2.3.a Senior Lenze Employee click on the role drop-down menu.
* 3.2.3.b Senior Lenze Employee selects a role from the given roles.
* 3.2.4 Senior Lenze Employee Selects the skill from the drop-down menu.
* 3.2.4.a Senior Lenze Employee clicks on the skill drop-down menu.
* 3.2.4.b Senior Lenze Employee selects the skill from the given skills.
* 3.2.5 Senior Lenze Employee enters the problem statement in the problem statement text box
* 3.2.6 Senior Lenze Employee click the add question button to add the question.
* 3.2.7 The system stores question in the question bank.

Use Case Scenarios

Edit/View Question papers

1. **Senior Lenze Employee loads paper from the database.**

* 1.1 Senior Lenze Employee clicks the load previous paper button from the startup screen, the Senior Lenze Employee is directed to different page.
* 1.2.1 The System generates a table of previous question paper, the table displays the paper name, role, skill along with date when paper was generated.
* 1.2.2 The Senior Lenze Employee selects the desired question paper and click on load question paper button.
* 1.2.3 The System Loads the question paper
* 1.2.3.1 The system retrieves all the questions from the question id’s.
* 1.2.3.2 The Senior Lenze Employee is directed to a different page.
* 1.2.3.3 The system displays test paper questions, skill, role, and question paper name to the Senior Lenze Employee.
* 1.2.3.4 The system provides the Senior Lenze Employee ability to change the name of question paper and to add/remove questions from paper.

1. **The Senior Lenze Employee edit the question paper. [optional]**

* 2.1 Senior Lenze Employee change the name of question paper. **[optional]**
* 2.2 Senior Lenze Employee Add/Remove the questions of the paper. **[optional]**
* 2.3 The Senior Lenze Employee click save to save the question paper. **[optional]**

1. **Senior Lenze Employee can further proceed to print the paper.**