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| **Agile Stories**  **Online Test Management System**  Project Team:  Hamza Zulfiqar (201370105)  Akasha Farrukh (201370031)  Anzah Nadeem (201370005)  Musa Nabeel (201370012)  Submission Date: **16 February 2023**  **Stories and their acceptance criteria:**  **1**. As a student, I want to be able to register for the online test application, so that I can participate in the exam.  **Acceptance Criteria:**   * The registration page should have fields for name, email, password, and confirm password. * The system should validate the email format and check if the email is already registered. * The password should have minimum 8 characters and should match the confirm password field. * Upon successful registration, the system should redirect the user to the login page.   **2**. As a student, I want to be able to login to the online test application, so that I can access the exam.  **Acceptance Criteria:**   * The login page should have fields for email and password. * The system should validate the email format and check if the email and password match the registered data. * Upon successful login, the system should redirect the user to the dashboard page.   **3**. As an admin, I want to be able to load questions to the online test application, so that students can attempt them.    **Acceptance Criteria:**   * The admin panel should have a section for managing questions and categories. * The admin should be able to add, edit, and delete questions and categories. * The questions should be divided into three categories: Math, IQ, and English. * The Math category should have 25 questions, the IQ category should have 15 questions, and the English category should have 10 questions.   **4**. As a student, I want to be able to see the instructions and time limits for each category, so that I can plan my exam strategy.    **Acceptance Criteria:**   * The dashboard page should display the time limits and question counts for each category. * The system should provide an introductory session for each category, which lasts for 5 minutes and does not count towards the exam time. * The system should prevent the student from answering questions after the time limit for each category has elapsed.   **5**. As a student, I want to be able to attempt questions in each category, so that I can complete the exam.    **Acceptance Criteria:**   * The exam page should display the questions one by one, with radio button options for each question. * The system should prevent the student from navigating to the next question before answering the current question. * The system should automatically save the answers as the student proceeds through the questions.   **6**. As an admin, I want to be able to see the results of the online test application, so that I can evaluate the students' performance.    **Acceptance Criteria:**   * The admin panel should have a section for viewing and managing the exam results. * The system should calculate the grades for each category based on the number of correct answers. * The system should display the overall grade for the exam and the grades for each category.   **7**. As a student, I want to be able to quit the exam session, so that I can end the exam if necessary.    **Acceptance Criteria**:   * The exam page should have a button for quitting the exam. * The system should display a confirmation message before quitting the exam. * The system should save the answers and end the exam session upon confirmation.   **8**. As an admin, I want to be able to add or drop subjects and questions, so that I can manage the content of the exam.    **Acceptance Criteria**:   * The admin panel should have a section for managing the exam content. * The admin should be able to add or drop categories and questions. * The system should update the exam content and data accordingly.   **9**. As a student, I want to be informed if I am approaching the time limit for the exam, so that I can finish the exam on time.  **Acceptance Criteria:**   * The exam page should display a timer that counts down from the total exam time. * The system should provide a warning message when the remaining time is 5 minutes or less. * The system should end the exam automatically when the remaining time reaches zero.   **10**. As a stakeholder, I want to be able to access information about the online test application, so that I can understand the features and benefits.  **Acceptance Criteria:**   * The online test application should have a landing page that provides an overview of the features and benefits. * The landing page should have a navigation menu that allows stakeholders to access relevant information, such as FAQs, pricing, and contact details. * The navigation menu should be limited to two levels and use clear labels for easy understanding.   **The 3Ws of the stories:**  **1**. As a student, I want to be able to register for the online test application, so that I can participate in the exam.   * Who: student * What: register for the online test application * Why: to participate in the exam   **2**. As a student, I want to be able to login to the online test application, so that I can access the exam.   * Who: student * What: login to the online test application * Why: to access the exam   **3**. As an admin, I want to be able to load questions to the online test application, so that students can attempt them.   * Who: admin * What: load questions to the online test application * Why: so that students can attempt them   **4**. As a student, I want to be able to see the instructions and time limits for each category, so that I can plan my exam strategy.   * Who: student * What: see instructions and time limits for each category * Why: to plan exam strategy   **5**. As a student, I want to be able to attempt questions in each category, so that I can complete the exam.   * Who: student * What: attempt questions in each category * Why: to complete the exam   **6**. As an admin, I want to be able to see the results of the online test application, so that I can evaluate the students' performance.   * Who: admin * What: see the results of the online test application * Why: to evaluate the students' performance   **7.** As a student, I want to be able to quit the exam session, so that I can end the exam if necessary.   * Who: student * What: quit the exam session * Why: to end the exam if necessary   **8**. As an admin, I want to be able to add or drop subjects and questions, so that I can manage the content of the exam.   * Who: admin * What: add or drop subjects and questions * Why: to manage the content of the exam   **9.** As a student, I want to be informed if I am approaching the time limit for the exam, so that I can manage my time effectively and complete the exam on time.   * Who: The story revolves around a student. * What: The student wants to be informed when they are approaching the time limit for an exam so that they can manage their time effectively and complete the exam on time. * Why: The student wants to ensure that they can complete the exam on time and avoid losing marks due to not finishing the exam.   **10**. As a stakeholder, I want to be able to access information about the online test application, so that I can understand its features and benefits and make an informed decision.   * Who: The stakeholder. * What: Wants to access information about an online test application. * Why: To understand its features and benefits and make an informed decision.   **The 3WC’s of the stories:**  **1**. As a student, I want to be able to register for the online test application, so that I can participate in the exam.    **Card**:  Online Test Application Registration  **Conversation**:  As a student, I want to be able to register for the online test application, so that I can participate in the exam.  **Confirmation**:  Confirmation of Eligibility: Before the student can register for the online test application, the system should verify that the student meets the eligibility criteria. This confirmation will ensure that only eligible students can register for the exam and participate in it.  Confirmation of Registration: Once the student has completed the registration process, the system should confirm that the registration has been successful. This confirmation will give the student assurance that they have successfully registered and can participate in the exam.  Confirmation of Payment: If there is a fee for the online test application, the system should confirm that the payment has been made successfully. This confirmation will ensure that the student has paid the fee and can participate in the exam without any issues.  **2**. As a student, I want to be able to login to the online test application, so that I can access the exam.  **Card**:  Student wants to login to online test application to access exam.  **Conversation**:  Student:  I need to access my exam on the online test application, but I don't know how to login.  Tech Support:  Sure, we can help you with that. Can you provide us with your login credentials?  Student:  Yes, my username is [username] and my password is [password].  Tech Support:  Great, let me guide you through the login process.  **Confirmation:**  Tech Support:  You have successfully logged in to the online test application. Can you see the exam now?  Student:  Yes, I can. Thank you for your help!  **3**. As an admin, I want to be able to load questions to the online test application, so that students can attempt them.  **Card**: Admin wants to load questions to the online test application for students to attempt.  **Conversation:**  Admin:  Hi, I want to be able to load questions to the online test application.  Developer:  Sure, we can add that feature. Can you give me more details on what kind of questions you want to add and how many?  Admin:  Yes, I want to add multiple choice questions and maybe some short answer questions. There will be around 50 questions per test.  Developer:  Got it. And how do you want to load these questions? Will you be using a CSV file or do you want to manually enter them one by one?  Admin:  I prefer to use a CSV file for faster loading.  Developer:  Alright, we'll make sure to include that in the feature.  **Confirmation:**  Developer:  We've added the feature for you to load questions using a CSV file. You can now easily upload your questions and students can start attempting them. Let us know if you need any further assistance.  Admin:  Thank you, that's exactly what I needed. I appreciate your help.  **4**. As a student, I want to be able to see the instructions and time limits for each category, so that I can plan my exam strategy.  **Card:**  "As a student, I want to be able to see the instructions and time limits for each category."  **Conversation:**  Student:  "It would be really helpful if we could see the instructions and time limits for each category before the exam starts."  Teacher:  "I agree. It can be difficult to plan your strategy without knowing those details."  Student:  "Yes, I always feel like I'm rushing through one section because I didn't realize how much time I had left."  **Confirmation:**  The exam software now includes a feature where students can view the instructions and time limits for each category before beginning the exam, allowing them to better plan their strategy and use their time efficiently.  **5**. As a student, I want to be able to attempt questions in each category, so that I can complete the exam.  **Card:**  As a student attempting an exam, the goal is to complete the test by answering questions in each category.  **Conversation:**  The student should start by reviewing the exam and identifying the different categories of questions. Then, they can prioritize their approach and attempt at least one question in each category to ensure that they cover all the required material. It is important to manage their time effectively, so they have enough time to answer all the questions.  **Confirmation:**  The student should double-check that they have answered at least one question in each category before submitting the exam. This will help ensure that they have not missed any essential questions and increase their chances of scoring well. It is always a good idea to review their answers and ensure that they have not made any mistakes before submitting the test.  **6**. As an admin, I want to be able to see the results of the online test application, so that I can evaluate the students' performance.  **Card:**  Feature: Online Test Results Viewing  As an admin, I want to be able to see the results of the online test application, so that I can evaluate the students' performance.  **Conversation:**  Product Owner:  "We need to add a feature that allows admins to view the results of the online tests."  Developer:  "Alright, so you want a page where the admin can see a list of all the tests taken and their corresponding scores?"  Product Owner:  "Yes, and they should be able to filter the results by test type, date range, and student name."  Developer:  "Got it. We'll also need to make sure the page is secure so that only admins can access it."  **Confirmation:**  Product Owner:  "Can you show me a mockup of what the results page will look like?"  Developer:  "Sure, here's a design I came up with. The admin can select the filters they want to use and then see the results in a table format."  Product Owner:  "Looks good. Let's also make sure we test this thoroughly to ensure the data is accurate and the filters are working properly."  **7**. As a student, I want to be able to quit the exam session, so that I can end the exam if necessary  **Card:**  User Story: As a student, I want to be able to quit the exam session, so that I can end the exam if necessary.  **Conversation:**  Developer:  Hi, can you tell me more about why you need the ability to quit the exam session?  User:  Sure, sometimes during an exam, unexpected things can happen, like feeling ill or having an emergency. I want to be able to end the exam and leave if I really must  .  Developer:  That makes sense. Would you like a confirmation message to pop up asking if you're sure you want to quit the exam session?  User:  Yes, that would be helpful to make sure I don't accidentally quit the exam.  **Confirmation:**  Developer: Great, I'll add a "Quit Exam" button to the interface, and when you click it, a confirmation message will appear. If you choose "Yes," the exam will end, and your results will be saved up to that point. Does that sound good?  User: Yes, that's perfect. Thank you!  Developer: You're welcome! Let me know if you have any other suggestions or feedback.  User: Will do, thanks again.  Developer: No problem, have a great day!  **8.** As an admin, I want to be able to add or drop subjects and questions, so that I can manage the content of the exam.  **Card:**  Admin Subject and Question Management  **Conversation:**  Admin:  Hi, I would like to have the ability to add or drop subjects and questions in the exam.  Developer: Sure, we can add that feature for you. Do you have any specific requirements for this?  Admin:  Yes, I want to be able to easily manage the content of the exam. I should be able to add new subjects and questions or delete the existing ones as and when required.  Developer:  Got it. We can provide you with a simple interface where you can add, edit, or delete subjects and questions with ease. We will also ensure that the changes made to the exam are updated in real-time and are reflected on the platform.  Admin:  That sounds great. How will I know if the changes have been successfully made?  Developer:  You will receive a confirmation message once the changes have been made. We will also keep a log of all the changes made by you for future reference.  **Confirmation:**  The admin can easily add or drop subjects and questions in the exam using the provided interface. The changes made are updated in real-time and the admin receives a confirmation message once the changes have been successfully made. A log of all the changes made is also maintained for future reference.  **9**. As a student, I want to be informed if I am approaching the time limit for the exam, so that I can manage my time effectively and complete the exam on time.  **Card:**  A notification system that informs students when they are approaching the time limit for the exam.  **Conversation:**  The notification can be integrated into the exam software and set to alert students when they have a certain amount of time left. The alert could appear on the screen or be accompanied by a sound or vibration. Students can also be given the option to dismiss the notification or snooze it for a few minutes.  **Confirmation:**  The notification system can be tested and piloted with a small group of students to gather feedback and make improvements. Once the system is refined, it can be rolled out to all students taking exams on the platform. Students can be given clear instructions on how the notification system works and its purpose, as well as the consequences of not managing their time effectively during the exam.  **10.** As a stakeholder, I want to be able to access information about the online test application, so that I can understand its features and benefits and make an informed decision.  **Card:**  Title:  Online Test Application Information Access  Description:  As a stakeholder, I want to be able to access information about the online test application, so that I can understand its features and benefits and make an informed decision.  **Conversation:**  Stakeholder:  Can I get more information about the online test application?  Team Member:  Of course, we have a dedicated section on our website with all the information you need to make an informed decision. We can also set up a call to discuss any specific questions or concerns you may have.  Stakeholder:  That would be great, thank you. Can you tell me about any unique features of the application?  Team Member:  Absolutely. One of the unique features is the ability to customize the test questions and format to fit your specific needs. We also offer real-time monitoring and reporting to track student progress and identify areas for improvement.  **Confirmation:**  Stakeholder:  Thank you for providing me with more information about the online test application. I feel much more confident in my decision now.  Team Member:  You're welcome. If you have any further questions or need additional information, please don't hesitate to reach out to us. |