| Story/Task | Test Case ID | Test Case Description | Preconditions | Steps | Expected Result | Status |
|---|---|---|---|---|---|---|
| User Story 1: Subject Selection | TC-1.1 | Verify that a user can select a subject from a predefined list. | Subject list is available in the app. | 1. Open the app.<br>2. Select a subject from the list.<br>3. Confirm subject loads correctly. | The subject is selected, and relevant articles load. | Pass |
| | TC-1.2 | Verify subjects load correctly based on user selection. | Subject list is available. | 1. Select each subject.<br>2. Ensure the correct articles for each subject are displayed.<br>3. Navigate to a subject. | The articles related to the selected subject are loaded. | Pass |
| User Story 2: Browse and Read Articles | TC-2.1 | Verify that articles display correctly in a mobile-friendly layout. | Subject has been selected, and articles are available | 1. Select a subject.<br>2. Open an article.<br>3. Scroll through the article. | Articles display properly and scrolling is smooth. | Pass |
| | TC-2.2 | Verify article readability and responsiveness across devices. | Articles are loaded in the app. | 1. Open an article.<br>2. Check readability on mobile and tablet devices.<br>3. Resize the window to ensure responsiveness. | Article content is legible and the layout adapts to different devices. | Pass |
| User Story 3: Mark Articles for Review | TC-3.1 | Verify marking an article as "difficult" or "important". | An article is displayed. | 1. Open an article.<br>2. Mark it as "difficult".<br>3. Mark it as "important". | Article is successfully marked as "difficult" or "important". | Pass |
| | TC-3.2 | Verify that marked articles appear in the "Review Later" section. | One or more articles are marked. | 1. Mark articles.<br>2. Navigate to the "Review Later" section.<br>3. Check that the marked articles appear. | Marked articles are listed in the "Review Later" section. | Pass |
| User Story 4: Search for Articles | TC-4.1 | Verify search results match keywords entered by the user. | Articles are available in the selected subject. | 1. Open the search bar.<br>2. Enter a keyword.<br>3. Execute the search. | Relevant articles based on the keyword are returned. | Pass |
| | TC-4.2 | Verify the speed and accuracy of the search functionality. | Articles are available. | 1. Open the search bar.<br>2. Enter a variety of keywords.<br>3. Test search speed.<br>4. Ensure results are accurate. | Search results are returned quickly, and accuracy is maintained. | Pass |
| User Story 5: Navigate Between Articles | TC-5.1 | Verify that "next" and "previous" buttons navigate between articles. | At least two articles are available in the subject. | 1. Open an article.<br>2. Use the "next" button to move to the next article.<br>3. Use the "previous" button to go back. | The user is able to navigate between articles smoothly. | Pass |
| | TC-5.2 | Ensure smooth transitions between articles when navigating. | At least two articles are available. | 1. Open an article.<br>2. Navigate between articles using the "next" and "previous" buttons.<br>3. Check for any delays or disruptions during transitions. | Transitions between articles are smooth without delay or disruption. | Pass |
| Technical Story 1: Basic UI/UX Setup | TC-6.1 | Verify UI layout for subject selection and article reading. | App is accessible. | 1. Open the app.<br>2. Browse the subject list.<br>3. Select a subject and read an article.<br>4. Check UI consistency and readability. | The UI is intuitive, and articles are displayed in a clean, readable format. | Pass |
| | TC-6.2 | Test mobile responsiveness of the UI/UX. | App is accessible on mobile devices. | 1. Open the app on mobile.<br>2. Browse the subject and article pages.<br>3. Check for UI consistency and responsiveness to different screen sizes. | The UI is responsive and works smoothly on mobile devices. | Pass |
| Technical Story 2: Content Management | TC-7.1 | Verify that articles are correctly categorized by subject. | Content is loaded into the backend. | 1. Open the app.<br>2. Select each subject.<br>3. Ensure articles appear under the correct subject categories. | Articles are correctly categorized and load under the appropriate subject | Pass |
| | TC-7.2 | Test efficiency of content retrieval from the backend. | Backend content is available. | 1. Open the app.<br>2. Select a subject.<br>3. Time how long it takes for the articles to load.<br>4. Test under different network conditions. | Articles are retrieved quickly, even under varied network conditions. | Pass |
| Technical Story 3: Mark and Save Articles | TC-8.1 | Verify marked articles persist across user sessions. | Articles are marked for review. | 1. Mark an article for review.<br>2. Close the app.<br>3. Reopen the app and check that the marked article persists. | Marked articles are saved and persist across sessions. | Pass |
| Technical Story 4: Search Functionality | TC-9.1 | Verify that search results are relevant and load quickly. | Articles are available for search. | 1. Open the search bar.<br>2. Search for a term.<br>3. Measure the time taken to display results.<br>4. Check relevance of displayed articles. | Search results are quick and relevant. | Pass |
| Technical Story 2: Content Management | TC-7.1 | Verify that articles are correctly categorized by subject. | Content is loaded into the backend. | 1. Open the app.<br>2. Select each subject.<br>3. Ensure articles appear under the correct subject categories. | Articles are correctly categorized and load under the appropriate subject | Pass |
| | TC-7.2 | Test efficiency of content retrieval from the backend. | Backend content is available. | 1. Open the app.<br>2. Select a subject.<br>3. Time how long it takes for the articles to load.<br>4. Test under different network conditions. | Articles are retrieved quickly, even under varied network conditions. | Pass |
| Technical Story 3: Mark and Save Articles | TC-8.1 | Verify marked articles persist across user sessions. | Articles are marked for review. | 1. Mark an article for review.<br>2. Close the app.<br>3. Reopen the app and check that the marked article persists. | Marked articles are saved and persist across sessions. | Pass |
| Technical Story 4: Search Functionality | TC-9.1 | Verify that search results are relevant and load quickly. | Articles are available for search. | 1. Open the search bar.<br>2. Search for a term.<br>3. Measure the time taken to display results.<br>4. Check relevance of displayed articles. | Search results are quick and relevant. | Pass |