User Manual: Self-Assessment Platform for Machine Learning

1. Introduction

This platform enables students to assess their understanding of machine learning (ML) concepts. By evaluating prerequisite knowledge before progressing to more advanced topics, the system supports personalized and effective learning.

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2. Getting Started

2.1 Registration

1. Visit the platform's homepage.

2. Click on the **Register** button if you are a new user.

3. Enter your **email address** and **password**.

4. Click **Submit**.

Outcomes:

- If the email is not already registered: the account is created, and the user is redirected to the login page.

- If the email already exists: an error message is shown.

2.2 Login

1. Navigate to the **Login** page.

2. Enter your registered **email** and **password**.

3. Click **Login**.

Outcomes:

- If credentials are correct: the user is taken to the main dashboard.

- If credentials are incorrect: an error message appears.

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3. Password Management

3.1 Forgot Password

1. Click **Forgot Password?** on the login page.

2. Enter your **registered email address**.

3. If the email exists in the system, an **OTP (One-Time Password)** is sent to your email.

4. Enter the OTP and provide a **new password**.

5. Once verified, you are redirected to the login page.

3.2 Change Password (After Logging In)

1. On the dashboard, click on the **Change Password** button.

2. Enter your **current password** and the **new password**.

3. Submit the form.

Outcomes:

- If the current password is correct: the password is updated.

- If incorrect: an error is shown.

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4. Selecting a Concept

1. After logging in, select a **machine learning concept** from the dropdown list.

2. The system displays the **prerequisite topics** required for that concept.

3. Review the prerequisites before taking the assessment.

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5. Generating and Taking an Assessment

1. Click on **Generate Assessment** after selecting a concept.

2. A **quiz** will be generated based on the prerequisite topics.

3. A **timer** is displayed to limit the duration of the quiz.

4. Answer the multiple-choice questions.

5. Click **Submit Quiz** to finish.

Assessment Feedback:

- Correct and incorrect answers are displayed.

- A list of topics to **revisit** is provided based on incorrect answers.

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6. Logging Out

- Click the **Logout** button (usually located at the top right of the dashboard) to securely end your session.

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7. Troubleshooting

Problem	Solution
Unable to register	Make sure the email is not already registered. Try using a different email.
Forgot email	Check your personal email provider to retrieve it.
OTP not received	Check your spam folder. Wait a few minutes and try again.
Quiz not loading	Ensure a concept is selected. Refresh the page and check your internet connection.
Error messages	Follow the instructions provided in the message or try refreshing the page.