Flow Map for Handwritten Text Classification Interface

1. Start
   - User arrives on the interface.

2. Title and Description
   - The title and a brief description of the project are displayed.
   - Users are introduced to the purpose of the interface.

3. Load MNIST Data
   - The MNIST dataset is loaded.
   - Data preprocessing and splitting are performed.

4. Learn about Machine Learning
   - Educational content about machine learning is displayed.
   - Users learn about the basics of machine learning.

5. Upload an Image
   - Users can upload an image for classification.
   - The uploaded image is displayed on the interface.

6. Classify Button
   - Users can click the "Classify" button.
   - The uploaded image is sent for classification.

7. Classification Result
   - The predicted class of the uploaded image is displayed.

8. Training Examples
   - Sample training images are displayed.
   - Users can see examples from the dataset.

9. How Does Machine Learning Work?
   - Educational content explains the process of machine learning.
   - Users learn about data collection, model training, and prediction.

10. Data Visualization
    - Users can choose to show a data visualization plot.
    - A sample interactive plot is displayed based on user input.

11. Model Evaluation
    - Users can evaluate the model's accuracy.
    - The accuracy of the model is displayed.

12. Customization
    - A sidebar with customization options is available.
    - Users can interact with sliders and buttons.

13. End
    - User interaction concludes.