

Cricket Analysis Form Test Suite

This test suite is designed to test the n8n workflow for cricket skill analysis that is triggered from the form at <https://pushcode.app.n8n.cloud/form/d2592f21-3782-4089-89ca-c7eb07d07a8a> .

Overview

The test suite validates: 1. Form submission with various input combinations 2. Workflow path execution based on selected skill (Batting, SpinBowling, FastBowling) 3. Error handling and validation 4. End-to-end functionality

Form Structure

The form contains the following fields: - Your Email (required) - Parent Name (required) - Player's Name (required) - Player's Age (required) - YouTube link (required, videos < 60 sec, only 1 video at a time) - Skill to Analyze (required dropdown: Batting, SpinBowling, FastBowling) - Additional Information (optional)

Workflow Paths

The n8n workflow has different paths based on the "Skill to Analyze" selection: 1. Batting analysis path 2. SpinBowling analysis path 3. FastBowling analysis path 4. OffSpin path (currently not activated) 5. Wicketkeeping path (currently not activated)

Test Suite Structure

- `config.js` : Configuration settings for the test suite
- `test_runner.js` : Main script to execute all tests
- `api_client.js` : Client for making API requests to the n8n form
- `test_cases/` : Directory containing all test cases
- `validation_tests.js` : Tests for form field validation
- `batting_tests.js` : Tests for the Batting analysis path
- `spin_bowling_tests.js` : Tests for the SpinBowling analysis path
- `fast_bowling_tests.js` : Tests for the FastBowling analysis path
- `edge_case_tests.js` : Tests for edge cases and error handling

Running the Tests

```
# Install dependencies
```

```
npm install
```

```
# Run all tests
```

```
npm test
```

```
# Run specific test category
```

```
npm test -- --category=validation
```

```
npm test -- --category=batting
```

```
npm test -- --category=spin_bowling
```

```
npm test -- --category=fast_bowling
```

```
npm test -- --category=edge_cases
```

Test Reports

Test reports are generated in the `reports/` directory after test execution.