

Endpoint Being Tested: <http://127.0.0.1:5000/api/feedback-recommendations>

Case: *Successful feedback generation*

Request Method: POST

Inputs:

```
{
  "submitted_answers": [
    {
      "qid": 1,
      "answer": [
        "D"
      ]
    },
    {
      "qid": 2,
      "answer": [
        "B"
      ]
    },
    {
      "qid": 3,
      "answer": [
        "B",
        "D"
      ]
    },
    {
      "qid": 4,
      "answer": [
        "B",
        "C"
      ]
    },
    {
      "qid": 5,
      "answer": [
        "B"
      ]
    },
    {
      "qid": 6,
      "answer": [
        "1020"
      ]
    }
  ]
}
```

```
]
}
```

Expected Output:

HTTP Status Code: 200 and JSON with 'comprehensive_feedback'

Actual Output:

```
HTTP Status Code: 500
JSON: {
  "error": "Internal server error: 403 Request had insufficient authentication
scopes. [reason: \"ACCESS_TOKEN_SCOPE_INSUFFICIENT\" domain:
\"googleapis.com\" metadata {\n  key: \"service\" value:
\"generativelanguage.googleapis.com\" metadata {\n  key: \"method\" value:
\"google.ai.generativelanguage.v1beta.GenerativeService.GenerateContent\"}]"
}
```

Result: Failed

Case: *Missing submitted_answers field*

Request Method: POST

Inputs:

```
{}
```

Expected Output:

HTTP Status Code: 500 and error message

Actual Output:

```
HTTP Status Code: 500
JSON: {
  "error": "Internal server error: division by zero"
}
```

Result: Success

Case: *Internal server error due to invalid answer format*

Request Method: POST

Inputs:

```
{
  "submitted_answers": [
    {
      "qid": 1,
      "answer": "INVALID FORMAT"
    }
  ]
}
```

Expected Output:

HTTP Status Code: 400 and error message

Actual Output:

```
HTTP Status Code: 400
JSON: {
  "error": "answer must be a list of strings"
}
```

Result: Success
