

```
● (.venv) PS C:\Users\namph\jhu_software_concepts\module_5> snyk code test
Testing C:\Users\namph\jhu_software_concepts\module_5 ...
Open Issues

X [MEDIUM] Debug Mode Enabled
Finding ID: bd46c748-edbc-40c4-b413-48f87a3e886c
Path: src/flask_app.py, line 38
Info: Running the application in debug mode (debug flag is set to True in run) is a security risk if the application is accessible by untrusted parties.

Test Summary
Organization: nampham929
Test type: Static code analysis
Project path: C:\Users\namph\jhu_software_concepts\module_5

Total issues: 1
Ignored issues: 0 [ 0 HIGH 0 MEDIUM 0 LOW ]
Open issues: 1 [ 0 HIGH 1 MEDIUM 0 LOW ]

💡 Tip
To view ignored issues, use the --include-ignores option.
```

That finding is because of this line in flask\_app.py:

```
create_app().run(debug=True)
```

When Flask runs in debug mode, it enables the interactive debugger, shows full stack traces in the browser, and exposes internal details of the app.

Change it to environment-driven debug:

```
if __name__ == "__main__": # pragma: no cover

    debug_mode = os.getenv("FLASK_DEBUG", "0").strip().lower() in {"1", "true", "yes", "on"}

    create_app().run(debug=debug_mode)
```

This keeps debug off by default and only enables it when you explicitly set FLASK\_DEBUG=1.