

Week 5: Cloud and API deployment

Name: Canmert Demir – Deployment on Flask

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Internship Batch: 30 Sept to 30 Dec 2023

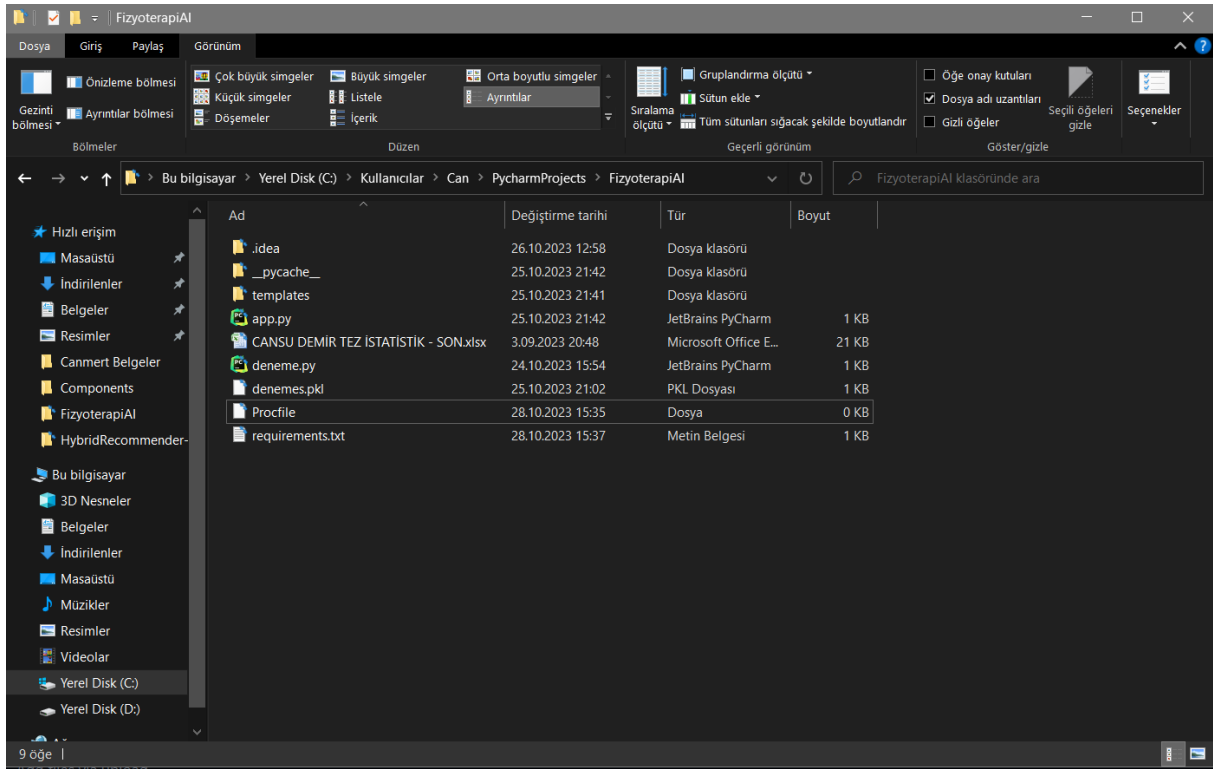
Version: 3.11.6.final.0

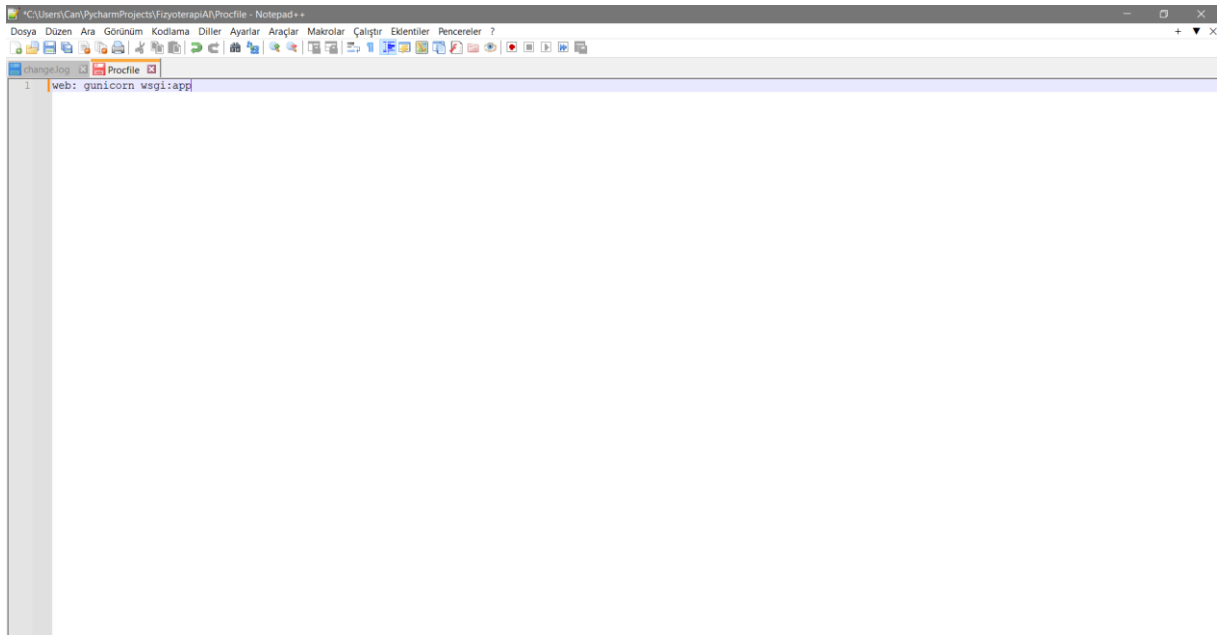
Data intake by: Data Glacier

Data intake reviewer: Canmert Demir

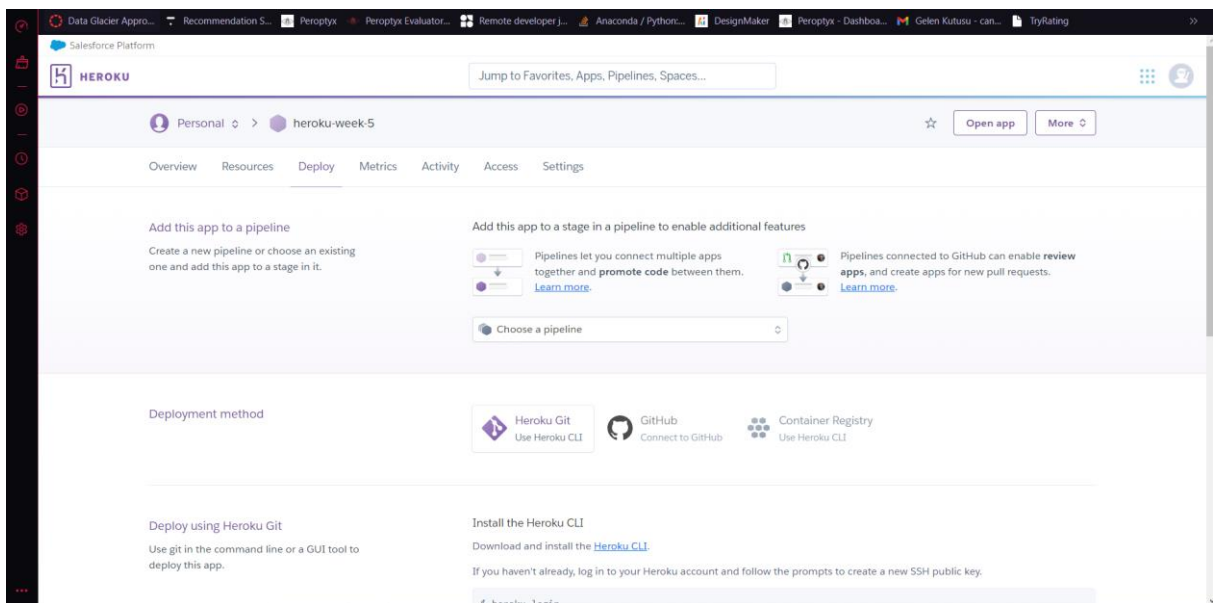
Submitted location: <https://github.com/Canmertdemir/HerokuDeploymentWeek5/tree/master>

In this Project, I used previous model in week four. I just created wsgi.py file which required for Heroku Deployment.

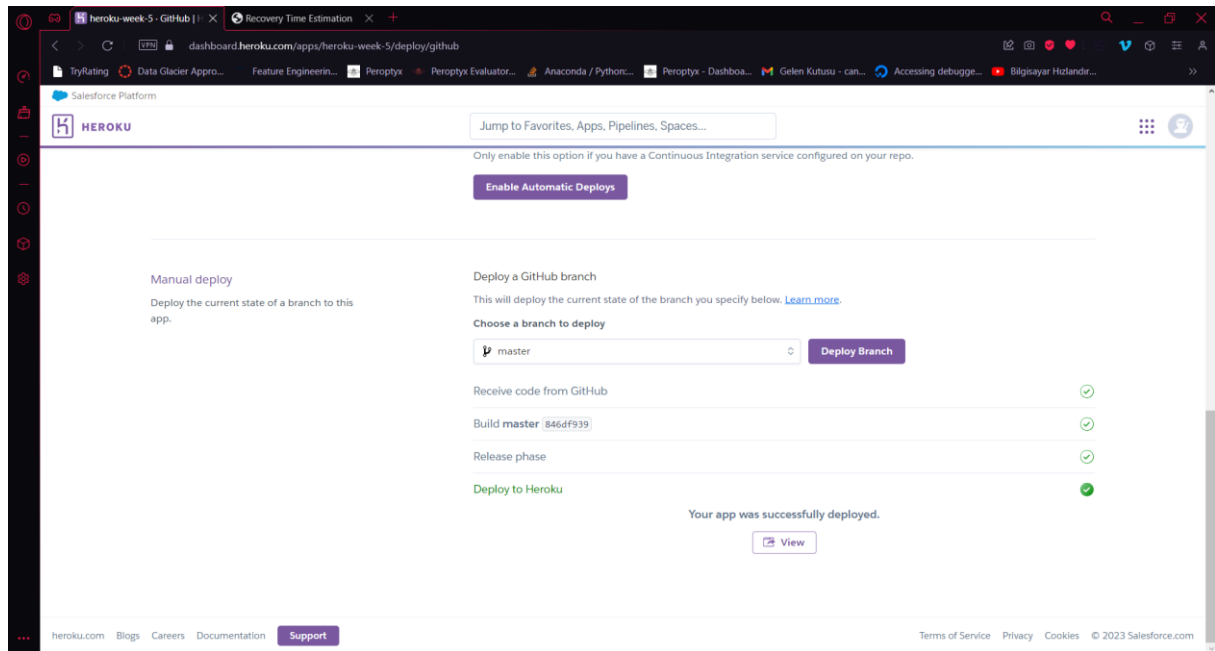




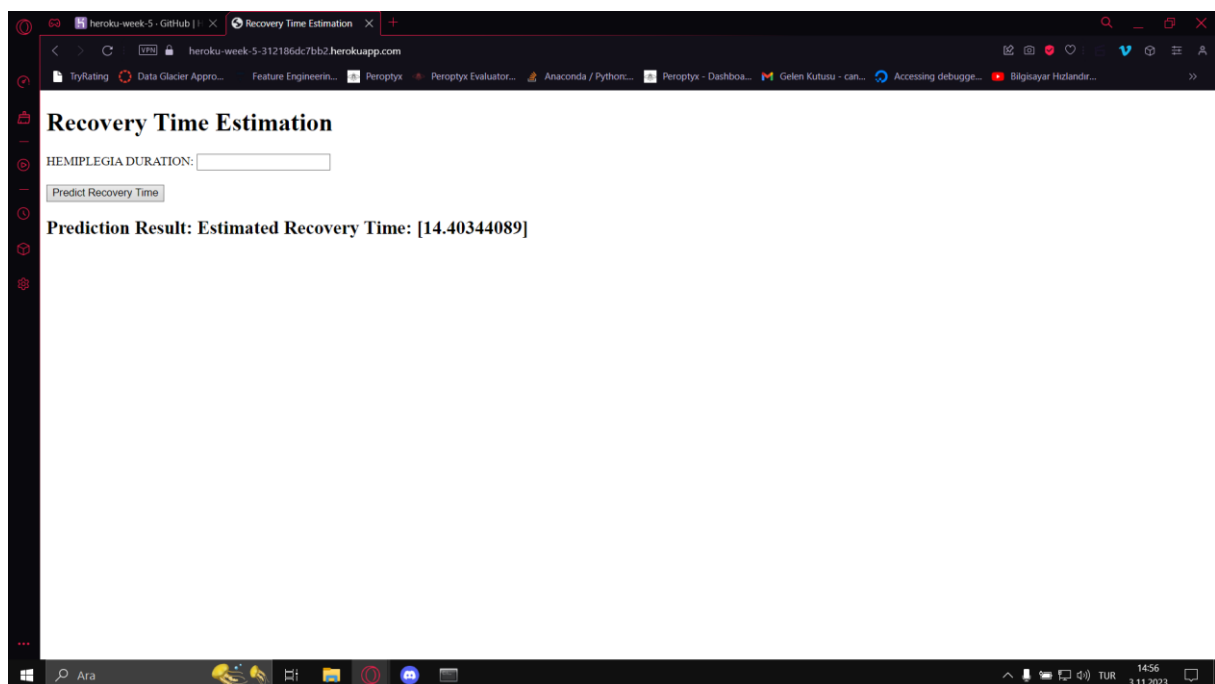
I create heroku account and synchronize github repository and heroku.



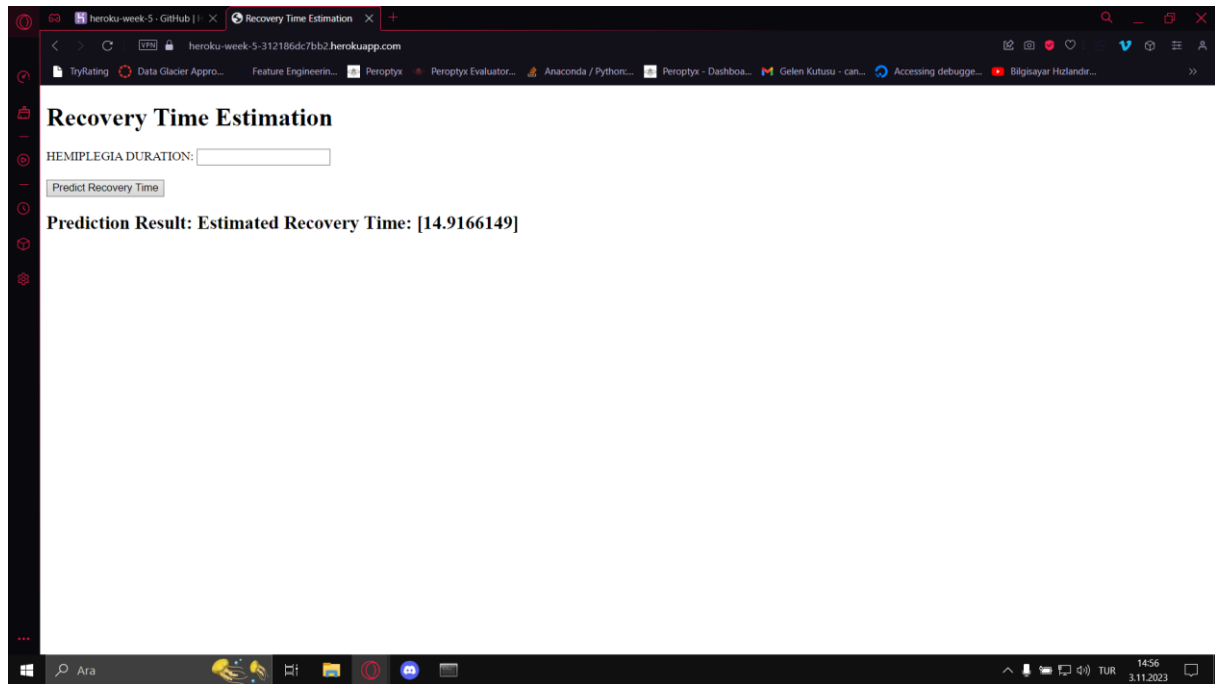
Following screenshot, I deployed my model into heroku.



Finally, i get my web app.



Next, screenshot shows that sample prediction.



For an any issue, i check my heroku logs by using CMD & heroku commands.

```
Anaconda Prompt: heroku login - heroku logs -app heroku-week-5 - heroku logs -app heroku-week-5 - heroku logs -app heroku-week-5 - heroku logs -app heroku-week-5
(base) C:\Users\Can\PychamProjects\Fizyoterapi\heroku logs --app heroku-week-5
2023-11-03T11:48:56.896658+00:00 app[web.1]: File "/app/.heroku/python/lib/python3.11/site-packages/gunicorn/workers/base.py", line 146, in load_wsgi
2023-11-03T11:48:56.896658+00:00 app[web.1]: self.wsgi = self.app.wsgi()
2023-11-03T11:48:56.896658+00:00 app[web.1]: ~~~~~
2023-11-03T11:48:56.896658+00:00 app[web.1]: File "/app/.heroku/python/lib/python3.11/site-packages/gunicorn/app/base.py", line 67, in wsgi
2023-11-03T11:48:56.896659+00:00 app[web.1]: self.callable = self.load()
2023-11-03T11:48:56.896659+00:00 app[web.1]: ~~~~~
2023-11-03T11:48:56.896659+00:00 app[web.1]: File "/app/.heroku/python/lib/python3.11/site-packages/gunicorn/app/wsgiapp.py", line 58, in load
2023-11-03T11:48:56.896659+00:00 app[web.1]: return self.load_wsgiapp()
2023-11-03T11:48:56.896659+00:00 app[web.1]: ~~~~~
2023-11-03T11:48:56.896659+00:00 app[web.1]: File "/app/.heroku/python/lib/python3.11/site-packages/gunicorn/app/wsgiapp.py", line 48, in load_wsgiapp
2023-11-03T11:48:56.896660+00:00 app[web.1]: return util.import_app(self.app_uri)
2023-11-03T11:48:56.896660+00:00 app[web.1]: ~~~~~
2023-11-03T11:48:56.896660+00:00 app[web.1]: File "/app/.heroku/python/lib/python3.11/site-packages/gunicorn/util.py", line 371, in import_app
2023-11-03T11:48:56.896660+00:00 app[web.1]: mod = importlib.import_module(module)
2023-11-03T11:48:56.896660+00:00 app[web.1]: ~~~~~
2023-11-03T11:48:56.896661+00:00 app[web.1]: File "/app/.heroku/python/lib/python3.11/importlib/_init_.py", line 126, in import_module
2023-11-03T11:48:56.896661+00:00 app[web.1]: return _bootstrap._gcd_import(name[level:], package, level)
2023-11-03T11:48:56.896662+00:00 app[web.1]: ~~~~~
2023-11-03T11:48:56.896662+00:00 app[web.1]: File "<frozen importlib._bootstrap>", line 1204, in _gcd_import
2023-11-03T11:48:56.896662+00:00 app[web.1]: File "<frozen importlib._bootstrap>", line 1176, in _find_and_load
2023-11-03T11:48:56.896662+00:00 app[web.1]: File "<frozen importlib._bootstrap>", line 1147, in _find_and_load_unlocked
2023-11-03T11:48:56.896662+00:00 app[web.1]: File "<frozen importlib._bootstrap>", line 690, in _load_unlocked
2023-11-03T11:48:56.896663+00:00 app[web.1]: File "<frozen importlib._bootstrap_external>", line 940, in exec_module
2023-11-03T11:48:56.896663+00:00 app[web.1]: File "<frozen importlib._bootstrap>", line 241, in _call_with_frames_removed
2023-11-03T11:48:56.896663+00:00 app[web.1]: File "/app/wsgi.py", line 1, in <module>
2023-11-03T11:48:56.896663+00:00 app[web.1]: from app import app # 'app' uygulamanızın adını yansıtmalı
2023-11-03T11:48:56.896663+00:00 app[web.1]: ~~~~~
2023-11-03T11:48:56.896663+00:00 app[web.1]: File "/app/app.py", line 1, in <module>
2023-11-03T11:48:56.896664+00:00 app[web.1]: from flask import Flask, request, render_template
2023-11-03T11:48:56.896664+00:00 app[web.1]: File "/app/.heroku/python/lib/python3.11/site-packages/Flask/_init_.py", line 5, in <module>
2023-11-03T11:48:56.896664+00:00 app[web.1]: from app import Flask as Flask
2023-11-03T11:48:56.896664+00:00 app[web.1]: File "/app/.heroku/python/lib/python3.11/site-packages/Flask/app.py", line 30, in <module>
2023-11-03T11:48:56.896665+00:00 app[web.1]: from werkzeug.urls import url_quote
2023-11-03T11:48:56.896665+00:00 app[web.1]: ImportError: cannot import name 'url_quote' from 'werkzeug.urls' (/app/.heroku/python/lib/python3.11/site-packages/werkzeug/urls.py)
2023-11-03T11:48:56.896709+00:00 app[web.1]: [2023-11-03 11:48:56 +0000] [8] [INFO] Worker exiting (pid: 8)
2023-11-03T11:48:56.928132+00:00 app[web.1]: [2023-11-03 11:48:56 +0000] [2] [ERROR] Worker (pid:7) exited with code 3
2023-11-03T11:48:56.931429+00:00 app[web.1]: [2023-11-03 11:48:56 +0000] [2] [ERROR] Worker (pid:8) was sent SIGTERM!
2023-11-03T11:48:57.028639+00:00 app[web.1]: [2023-11-03 11:48:57 +0000] [2] [ERROR] Shutting down: Master
2023-11-03T11:48:57.028693+00:00 app[web.1]: [2023-11-03 11:48:57 +0000] [2] [ERROR] Reason: Worker failed to boot.
2023-11-03T11:48:57.107936+00:00 heroku[web.1]: Process exited with status 1
2023-11-03T11:48:57.131537+00:00 heroku[web.1]: State changed from starting to crashed
2023-11-03T11:48:58.282163+00:00 heroku[router]: at=<error> code=400 desc="App crashed" method=GET path="/" host=heroku-week-5-312186dc7bb2.herokuapp.com request_id=85aa189d-1681-4d1d-8f52-65f63ade0e5f fwd="78.168.200.61" dyno= connect= service=status=500 bytes= protocol=https
2023-11-03T11:48:58.722046+00:00 heroku[router]: at=<error> code=400 desc="App crashed" method=GET path="/favicon.ico" host=heroku-week-5-312186dc7bb2.herokuapp.com request_id=28ff72e2-8ed8-4e23-b3f1-b6d268f30e9f fwd="78.168.200.61" dyno= connect= service=status=500 bytes= protocol=https
2023-11-03T11:49:17.000000+00:00 app[api]: Build succeeded
2023-11-03T11:51:01.000000+00:00 app[api]: Build started by user canmertdemir2@gmail.com
2023-11-03T11:53:14.043867+00:00 app[api]: Release v46 created by user canmertdemir2@gmail.com
```

And everything Works fine.

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Anaconda Prompt - heroku login - heroku logs --app heroku-week-5 - heroku logs --app heroku-week-5 - heroku logs --app heroku-week-5 - heroku logs --app heroku-week-5
2023-11-03T11:53:50.019721+00:00 heroku[router]: at=info method=GET path="/" host=heroku-week-5-312186dc7bb2.herokuapp.com request_id=fc33ce5e-e086-4251-8868-b5d96696b3ba fwd="90.206.51.33" dyno=web.1 connect=0ms service=ms status=200 bytes=545 protocol=https
2023-11-03T11:53:50.019708+00:00 app[web.1]: 10.1.61.74 - - [03/Nov/2023:11:53:50 +0000] "GET / HTTP/1.1" 200 391 "-" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/118.0.0.0 Safari/537.36"
2023-11-03T11:53:50.407692+00:00 app[web.1]: 10.1.61.74 - - [03/Nov/2023:11:53:50 +0000] "GET /favicon.ico HTTP/1.1" 404 207 "https://heroku-week-5-312186dc7bb2.herokuapp.com/" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/118.0.0.0 Safari/537.36"
2023-11-03T11:53:50.407692+00:00 heroku[router]: at=info method=GET path="/favicon.ico" host=heroku-week-5-312186dc7bb2.herokuapp.com request_id=b4ae6c62-c8cf-4609-9e36-f2c0cb74e51d fwd="90.206.51.33" dyno=web.1 connect=0ms service=ms status=404 bytes=368 protocol=https
2023-11-03T11:53:53.924970+00:00 heroku[router]: at=info method=POST path="/" host=heroku-week-5-312186dc7bb2.herokuapp.com request_id=46799c0e-2c5c-4356-bd29-01f9f561704c fwd="78.168.200.61" dyno=web.1 connect=0ms service=ms status=200 bytes=621 protocol=https
2023-11-03T11:53:53.925211+00:00 app[web.1]: 10.1.85.159 - - [03/Nov/2023:11:53:53 +0000] "POST / HTTP/1.1" 200 467 "https://heroku-week-5-312186dc7bb2.herokuapp.com/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/116.0.0.0 Safari/537.36 OPR/102.0.0.0"
2023-11-03T11:54:11.000000+00:00 app[api]: Build succeeded
2023-11-03T11:54:14.345664+00:00 app[web.1]: [2023-11-03 11:54:14,344] ERROR in app: Exception on / [POST]
2023-11-03T11:54:14.345677+00:00 app[web.1]: Traceback (most recent call last):
2023-11-03T11:54:14.345678+00:00 app[web.1]:   File "/app/.heroku/python/lib/python2.11/site-packages/Flask/app.py", line 2525, in wsgi_app
2023-11-03T11:54:14.345679+00:00 app[web.1]:     response = self.full_dispatch_request()
2023-11-03T11:54:14.345679+00:00 app[web.1]: ~~~~~
2023-11-03T11:54:14.345680+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.11/site-packages/flask/app.py", line 1822, in full_dispatch_request
2023-11-03T11:54:14.345689+00:00 app[web.1]:     rv = self.handle_user_exception(e)
2023-11-03T11:54:14.345689+00:00 app[web.1]: ~~~~~
2023-11-03T11:54:14.345689+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.11/site-packages/Flask/app.py", line 1820, in full_dispatch_request
2023-11-03T11:54:14.345690+00:00 app[web.1]:     rv = self.dispatch_request()
2023-11-03T11:54:14.345690+00:00 app[web.1]: ~~~~~
2023-11-03T11:54:14.345690+00:00 app[web.1]:   File "/app/.heroku/python/lib/python3.11/site-packages/Flask/app.py", line 1796, in dispatch_request
2023-11-03T11:54:14.345691+00:00 app[web.1]:     return self.ensure_sync(self.view_functions[rule.endpoint])(**view_args)
2023-11-03T11:54:14.345691+00:00 app[web.1]: ~~~~~
2023-11-03T11:54:14.345691+00:00 app[web.1]:   File "/app/app.py", line 15, in home
2023-11-03T11:54:14.345692+00:00 app[web.1]:     hemipleji = float(request.form['hemipleji']) # Sadece bir özellik kullan
2023-11-03T11:54:14.345692+00:00 app[web.1]: ~~~~~
2023-11-03T11:54:14.345692+00:00 app[web.1]:   ValueError: could not convert string to float: ''
2023-11-03T11:54:14.346289+00:00 app[web.1]: 10.1.61.74 - - [03/Nov/2023:11:54:14 +0000] "POST / HTTP/1.1" 500 265 "https://heroku-week-5-312186dc7bb2.herokuapp.com/" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/118.0.0.0 Safari/537.36"
2023-11-03T11:54:14.346310+00:00 heroku[router]: at=info method=POST path="/" host=heroku-week-5-312186dc7bb2.herokuapp.com request_id=b6c349de-7ee3-4e57-b717-736c4f2700a1 fwd="90.206.51.33" dyno=web.1 connect=0ms service=ms status=500 bytes=438 protocol=https
2023-11-03T11:54:19.167675+00:00 heroku[router]: at=info method=POST path="/" host=heroku-week-5-312186dc7bb2.herokuapp.com request_id=58496a33-9936-4648-95f0-c81c2715f0b2 fwd="90.206.51.33" dyno=web.1 connect=1ms service=ms status=200 bytes=621 protocol=https
2023-11-03T11:54:19.167742+00:00 app[web.1]: 10.1.61.74 - - [03/Nov/2023:11:54:19 +0000] "POST / HTTP/1.1" 200 467 "https://heroku-week-5-312186dc7bb2.herokuapp.com/" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/118.0.0.0 Safari/537.36"
2023-11-03T11:54:55.905863+00:00 app[web.1]: 10.1.61.74 - - [03/Nov/2023:11:54:55 +0000] "POST / HTTP/1.1" 200 467 "https://heroku-week-5-312186dc7bb2.herokuapp.com/" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/118.0.0.0 Safari/537.36"
2023-11-03T11:54:55.985130+00:00 heroku[router]: at=info method=POST path="/" host=heroku-week-5-312186dc7bb2.herokuapp.com request_id=4771c0cc-8052-40b6-a2d8-cef96d48d82a fwd="90.206.51.33" dyno=web.1 connect=0ms service=ms status=200 bytes=621 protocol=https
2023-11-03T11:56:32.939195+00:00 app[web.1]: 10.1.60.125 - - [03/Nov/2023:11:56:32 +0000] "POST / HTTP/1.1" 200 466 "https://heroku-week-5-312186dc7bb2.herokuapp.com/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/116.0.0.0 Safari/537.36 OPR/102.0.0.0"
2023-11-03T11:56:32.939196+00:00 heroku[router]: at=info method=POST path="/" host=heroku-week-5-312186dc7bb2.herokuapp.com request_id=df257d4c-a891-44df-ad57-a3ab0c3dc7f3 fwd="78.168.200.61" dyno=web.1 connect=0ms service=ms status=200 bytes=620 protocol=https

(base) C:\Users\Cany\PycharmProjects\FizyoterapiIAI>
```