

* Serving Flask app 'app'

* Debug mode: off

WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.

* Running on all addresses (0.0.0.0)

* Running on <http://127.0.0.1:5000> ↗

* Running on <http://172.18.0.6:5000> ↗

Press CTRL+C to quit

192.168.65.1 - - [20/Oct/2025 05:51:00] "GET /notifications HTTP/1.1" 200 -

192.168.65.1 - - [20/Oct/2025 05:51:00] "GET /favicon.ico HTTP/1.1" 404 -

192.168.65.1 - - [20/Oct/2025 05:52:40] "POST /notify HTTP/1.1" 201 -

192.168.65.1 - - [20/Oct/2025 05:53:01] "GET /notifications HTTP/1.1" 200 -

192.168.65.1 - - [20/Oct/2025 10:35:36] "GET /notifications HTTP/1.1" 200 -

192.168.65.1 - - [20/Oct/2025 10:35:36] "GET /favicon.ico HTTP/1.1" 404 -

192.168.65.1 - - [20/Oct/2025 10:36:22] "GET /notifications HTTP/1.1" 200 -

192.168.65.1 - - [20/Oct/2025 10:36:28] "GET /notifications HTTP/1.1" 200 -

192.168.65.1 - - [20/Oct/2025 11:07:02] "POST /notify HTTP/1.1" 201 -

```
asparagus@Reinie1s-MacBook-Air-3 infs605-assignment2 % curl -X POST http://localhost:5004/notify \
-H "Content-Type: application/json" \
-d '{"message": "New feedback added for INFS605"}'

{"id":2,"message":"Notification: New feedback added for INFS605","timestamp":"2025-10-20T11:07:02.534019"}
```

Pretty print ☐

```
[{"code": "INFS605", "id": 1, "title": "Microservices"}, {"code": "INFS501", "id": 2, "title": "Digital Services"}, {"code": "INFS501", "id": 2, "title": "Digital Services"}, {"code": "COMP705", "id": 3, "title": "Special topic"}, {"code": "COMP703", "id": 4, "title": "Research and Development"}]
```

```
[{"comment": "Great course!", "course": "INFS605", "id": 1, "rating": 5}, {"comment": "Very  
informative.", "course": "COMP705", "id": 2, "rating": 4}, {"comment": "Very  
informative.", "course": "COMP705", "id": 2, "rating": 4}, {"comment": "Challenging but  
fun.", "course": "COMP703", "id": 3, "rating": 4}, {"comment": "Simple and easy.", "course": "INFS502", "id": 4, "rating": 3}]
```

[admin-frontend] resolving provenance for metadata file 0.0s

[+] Running 11/11

✓ infs605-assignment2-feedback	Built	0.0s
✓ infs605-assignment2-notification	Built	0.0s
✓ infs605-assignment2-student-profile	Built	0.0s
✓ infs605-assignment2-admin-frontend	Built	0.0s
✓ infs605-assignment2-course-catalogue	Built	0.0s
✓ Container feedback	Started	1.1s
✓ Container course-catalogue	Started	1.1s
✓ Container student-profile	Started	1.4s
✓ Container notification	Started	1.2s
✓ Container frontend	Started	1.5s
✓ Container student-db	Started	0.3s

Pretty print ☐

```
[{"id":1,"message":"Notification: New feedback received for INFS605","timestamp":"2025-10-20T05:52:40.304678"}]
```

```
asparagus@Reiniers-MacBook-Air-3 infs605-assignment2 % docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
db4e46965eff	infs605-assignment2-admin-frontend	"docker-entrypoint.s..."	25 seconds ago	Up 23 seconds	0.0.0.0:3000->3000/tcp, [::]:3000->3000/tcp	frontend
23335611b53e	infs605-assignment2-student-profile	". /wait-for-it.sh st..."	26 seconds ago	Up 24 seconds	0.0.0.0:5001->5001/tcp, [::]:5001->5001/tcp	student-profile
d31e9de4c702	infs605-assignment2-notification	"python app.py"	26 seconds ago	Up 24 seconds	0.0.0.0:5004->5000/tcp, [::]:5004->5000/tcp	notification
d65496d23fa9	infs605-assignment2-feedback	"python app.py"	26 seconds ago	Up 24 seconds	0.0.0.0:5003->5000/tcp, [::]:5003->5000/tcp	feedback
5bdf1ed5e29b	infs605-assignment2-course-catalogue	"python app.py"	26 seconds ago	Up 24 seconds	0.0.0.0:5002->5000/tcp, [::]:5002->5000/tcp	course-catalogue
16e9862e214d	48d4251ff0af	"python app.py"	6 minutes ago	Up 6 minutes	5000/tcp	condescending_jones
a538dc2e0c20	db82c76a5c1d	"python app.py"	7 minutes ago	Up 7 minutes	5000/tcp	gallant_chaplygin
c40c6f1b12d9	db82c76a5c1d	"python app.py"	55 minutes ago	Up 55 minutes	5000/tcp	musing_jemison
bf9fffeae2608	postgres:15	"docker-entrypoint.s..."	6 days ago	Up 24 seconds	0.0.0.0:5432->5432/tcp, [::]:5432->5432/tcp	student-db

```
asparagus@Reiniers-MacBook-Air-3 infs605-assignment2 %
```

```
lasp@paragus@Reiniels-MacBook-Air-3 infs605-assignment2 % curl http://localhost:5001/students
```

```
[
  {
    "attendance": [],
    "email": "aroha.ngata@example.com",
    "id": 1,
    "name": "Aroha Ngata"
  },
  {
    "attendance": [],
    "email": "tane.mahuta@example.com",
    "id": 2,
    "name": "Tane Mahuta"
  },
  {
    "attendance": [],
    "email": "moana.rangi@example.com",
    "id": 3,
    "name": "Moana Rangi"
  },
  {
    "attendance": [],
    "email": "wiremu.pita@example.com",
    "id": 4,
    "name": "Wiremu Pita"
  },
  {
    "attendance": [],
    "email": "lani.tui@example.com",
    "id": 5,
    "name": "Lani Tui"
  },
  {
    "attendance": [],
    "email": "malia.fetu@example.com",
    "id": 6,
    "name": "Malia Fetu"
  },
  {
    "attendance": [],
    "email": "sione.vaka@example.com",
    "id": 7,
    "name": "Sione Vaka"
  },
  {
    "attendance": [],
    "email": "tavita.fale@example.com",
    "id": 8,
    "name": "Tavita Fale"
  },
]
```



```
[asparagus@Reiniels-MacBook-Air-3 infs605-assignment2 % curl http://localhost:5002/courses  
[{"code":"INFS605","id":1,"title":"Microservices"}, {"code":"INFS501","id":2,"title":"Digital Services"}, {"code":"INFS501","id":2,"title":"Digital Services"}, {"code":"COMP705","id":3,"title":"Special topic"}, {"code":"COMP703","id":4,"title":"Research and Development"}]  
asparagus@Reiniels-MacBook-Air-3 infs605-assignment2 % █
```

```
asparagus@Reiniels-MacBook-Air-3 infs605-assignment2 % curl http://localhost:5003/feedback
```

```
[{"comment": "Great course!", "course": "INFS605", "id": 1, "rating": 5}, {"comment": "Very informative.", "course": "COMP705", "id": 2, "rating": 4}, {"comment": "Very informative.", "course": "COMP705", "id": 2, "rating": 4}, {"comment": "Challenging but fun.", "course": "COMP703", "id": 3, "rating": 4}, {"comment": "Simple and easy.", "course": "INFS502", "id": 4, "rating": 3}]
```