



NATIONAL UNIVERSITY OF COMPUTER & EMERGING SCIENCES
FAST - PESHAWAR CAMPUS

Subject: Software Construction and Development Lab (CL-3001)

Instructor: Muhammad Saood Sarwar

Assignment 3

Section: B

Name: _____

Roll No: _____

Question 1: Choose the best possible answer regarding FastAPI.

a. Which decorator is used to define a GET endpoint in FastAPI?

1. `@app.get()`
2. `@app.route()`
3. `@app.api()`
4. `@app.endpoint()`

b. What would `@app.post("/items/{item_id}")` define?

1. A route to retrieve an item
2. A route to create a new item with a given ID
3. A route to update an item with a given ID
4. A route to delete an item with a given ID

c. What library does FastAPI use for data validation?

1. Pydantic
2. NumPy
3. SQLAlchemy
4. Marshmallow

d. In FastAPI, how do you define a route for a GET request?

1. `@app.get("/path")`
2. `@app.route("/path", method="GET")`
3. `@app.get_request("/path")`
4. `@app.get_route("/path")`

e. What is the primary web server used with FastAPI in production?

1. Flask
2. Gunicorn with Uvicorn workers
3. Apache
4. Tornado

1. What are the two main auto-generated documentation UIs provided by FastAPI?

a.

b.

2. What are the key features of FastAPI that contribute to its high performance?

3. How can you handle path parameters in FastAPI, and what are the best practices for their usage?

4. What type of server does FastAPI recommend for running applications in production?