

FastAPI - Interview Sheet

Type hints, async, Pydantic, dependency injection, and OpenAPI

worksheetdownload.com

Top 10 Interview Questions

Q1. What is FastAPI and how does it leverage Python type hints to drive automatic validation and documentation?

Answer:

Q2. How do Pydantic models work in FastAPI for request body validation and response serialization?

Answer:

Q3. Explain FastAPI's dependency injection system. How do you use Depends() and share a database session?

Answer:

Q4. How does FastAPI handle path operation ordering to avoid route shadowing issues?

Answer:

Q5. What is the difference between async def and def in FastAPI endpoints, and how does asyncio fit in?

Answer:

Q6. How do you implement OAuth2 password flow with JWT tokens in FastAPI?

Answer:

Q7. How does FastAPI auto-generate interactive OpenAPI docs? How do you customize schemas and metadata?

Answer:

Q8. How do you add CORS middleware and configure allowed origins in a FastAPI application?

Answer:

Q9. How do you integrate SQLAlchemy with FastAPI in an async context using AsyncSession?

Answer:

Q10. How do you write tests for FastAPI endpoints using TestClient and pytest, including mocking dependencies?

Answer: