Sprint Completion Status Report

```
**Student Name:** [Name]

**Sprint Number:** [Sprint 0]

**Duration:** [Start Date] – [End Date]

**Report Date:** [Date]
```

1. Sprint Goal ©

Defined Goal:

- 1. Clone Professor Ferguson's Simple Microservices Repository.
- 2. Create a project that is my version using two different resources.
 - a. Copy the structure of Professor Ferguson's repository
 - b. Define two models.
 - c. Implement "API first" definition by implementing placeholder routes for each resource:
 - i. GET /<resource>
 - ii. POST /<resource>
 - iii. GET /<resource>/{id}
 - iv. PUT /<resource>/{id}
 - v. DELETE /<resource>/{id}
 - d. Annotate models and paths to autogenerate OpenAPI document.
 - e. Tested OpenAPI document dispatching to methods.
- **Outcome:** [Achieved / Partially Achieved / Not Achieved]
- **Notes:** [Brief explanation if not fully achieved]

2. Completed Work

Resource 1

Note: replace with your model.

```
description="Given name.",
        json schema extra={"example": "Ada"},
    last name: str = Field(
        description="Family name.",
        json schema extra={"example": "Lovelace"},
   email: EmailStr = Field(
        description="Primary email address.",
        json schema extra={"example": "ada@example.com"},
   phone: Optional[str] = Field(
       None,
       description="Contact phone number in any reasonable
format.",
        json schema extra={"example": "+1-212-555-0199"},
   birth date: Optional[date] = Field(
       None,
       description="Date of birth (YYYY-MM-DD).",
       json_schema_extra={"example": "1815-12-10"},
   )
Resource 2
class AddressBase(BaseModel):
    id: UUID = Field(
        default factory=uuid4,
        description="Persistent Address ID (server-generated).",
        json_schema_extra={"example": "550e8400-e29b-41d4-a716-
446655440000"},
   )
   street: str = Field(
        description="Street address and number.",
        json_schema_extra={"example": "123 Main St"},
    city: str = Field(
       description="City or locality.",
        json schema extra={"example": "New York"},
    state: Optional[str] = Field(
       None,
       description="State/region code if applicable.",
        json schema extra={"example": "NY"},
   postal code: Optional[str] = Field(
       None,
        description="Postal or ZIP code.",
        json_schema_extra={"example": "10001"},
    )
```

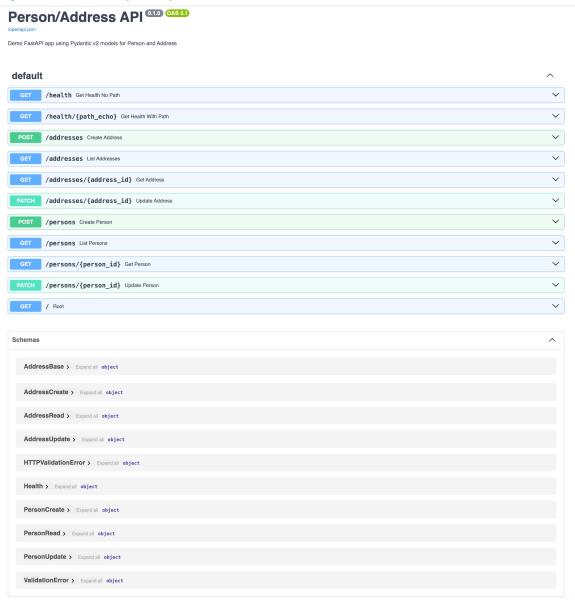
```
country: str = Field(
    . . . ,
    description="Country name or ISO label.",
    json schema extra={"example": "USA"},
)
model config = {
    "json schema extra": {
        "examples": [
             {
                 "id": "550e8400-e29b-41d4-a716-446655440000",
                 "street": "123 Main St",
                 "city": "New York",
                 "state": "NY",
                 "postal code": "10001",
                 "country": "USA",
             }
        ]
    }
}
```

main.py Routes

Note: Cut and paste your routes here.

```
@app.get("/health", response model=Health)
def get health no path (echo: str | None = Query (None,
description="Optional echo string")):
    # Works because path echo is optional in the model
    return make health(echo=echo, path echo=None)
@app.get("/health/{path echo}", response model=Health)
def get health with path (
    path echo: str = Path(..., description="Required echo in the URL
path"),
    echo: str | None = Query(None, description="Optional echo
string"),
):
    return make health (echo=echo, path echo=path echo)
@app.post("/addresses", response model=AddressRead, status code=201)
def create address(address: AddressCreate):
    if address.id in addresses:
        raise HTTPException(status code=400, detail="Address with
this ID already exists")
    addresses[address.id] = AddressRead(**address.model dump())
    return addresses[address.id]
```

OpenAPI Document (Partial)



Link to Recording of Demo

Note: A link to a publicly accessible screen recording that the TAs can view.

Link to GitHub Repository

Note: A link to the GitHub repo for your starter project.

3. Incomplete Work X

Items planned but not completed:

- [Story ID] [Reason: e.g., dependency, scope creep, capacity issue]
- [Bug Fix ID] [Reason]

Carryover to Next Sprint: [Yes/No, specify items] 4. Key Metrics III Note: Ignore this section **Planned vs. Completed Points:** [e.g., 40 planned / 35 completed] **Burndown Chart:** [Attach image if available] **Defects Identified:** [Number + Severity] 5. Risks & Blockers 🔔 Note: Ignore this section - [Risk/Issue] - [Impact] - [Mitigation/Resolution] - [Dependency on X team] - [Impact on timeline] 6. Team Feedback Note: Ignore this section **What Went Well:** - [Positive note 1] - [Positive note 2] **What Could Be Improved:** - [Improvement area 1] - [Improvement area 2] 7. Next Steps soon Note: Ignore this section **Upcoming Sprint Goal (Draft):** [Proposed goal]

**Focus Areas: ** [e.g., technical debt, new feature, stabilization]

Planned Dependencies: [Cross-team items, external blockers]