

Elevation-Based Navigation App (EleNA)

Data Models

These are the planned data models for API communication between the client and server. For the complete list of all data models used in the project, see:

<https://github.com/CodyRichter/ElenaApp/tree/master/backend/src/models>

```
class NavigationRequest(BaseModel):  
    origin: Tuple[float, float]  
    destination: Tuple[float, float]  
    mode: str  
    max_distance: int
```

```
class NavigationResponse(BaseModel):  
    origin: Tuple[float, float]  
    destination: Tuple[float, float]  
    waypoints: List[Tuple[float, float]]  
    distance: int
```

```
class LoginRequest(BaseModel):  
    username: str  
    password: str
```

```
class LoginResponse(BaseModel):  
    user_id: int  
    token: str
```

```
class UserInternal(User):  
    email: str  
    full_name: Union[str, None] = None  
    hashed_password: str  
    disabled: bool = False
```