File: /Users/kh.kim/Documents/AIChat/.DS_Store

[binary]

File: /Users/kh.kim/Documents/AlChat/app/config.py

```
1 import os
2 from redis import Redis
3 from urllib.parse import urlparse
4 import logging
5
6 #
7 logging.basicConfig(level=logging.DEBUG)
8 logger = logging.getLogger__name__)
9
10 redis_url = os_getenv('UPSTASH_REDIS_URL') # UPSTASH_REDIS_URL
11
12 if redis_url;
13 url = urlparse(redis_url)
14 logger.debug(f"Parsed Redis_URL: {url}")
15 redis_client = Redis_(
16 host_url.hostname,
17 port=url.port.
18 password_url.password,
19 sal_url.scheme == 'rediss',
20 ssl_cert_regs-None,
21 decode_responses=True
22 )
23 else:
24 redis_client = None
25 logger.warning("No Redis_URL provided")
26
27 def test_redis_connection():
28 if redis_client is None:
29 print("No Redis_URL provided")
30 return False
31 try:
32 redis_client.ping()
33 print("Successfully connected to Redis")
34 logger.info("Successfully connected to Redis")
35 return True
36 except_Exception as e:
37 print(f"Failed to connect to Redis: {e}")
38 logger.error(f"Failed to connect to Redis: {e}")
39 return False
```

File: /Users/kh.kim/Documents/AIChat/app/__init__.py

```
1 from .main import app
2
3 def create_app():
4    return app
```

File: /Users/kh.kim/Documents/AlChat/app/utils/__init__.py

1 [binary

File: /Users/kh.kim/Documents/AlChat/app/utils/helpers.py

1 [binary]

File: /Users/kh.kim/Documents/AlChat/app/models/user.py

```
1 from typing import Literal, Optional
2
3 from pydantic import BaseModel, EmailStr, Field
4
5
6 class UserBase (BaseModel):
7 email: EmailStr
8 nickname: str = Field(..., min_length=2, max_length=50)
9 is_admin: bool = False
10
11 class UserCreate (UserBase):
12 password: str = Field(..., min_length=8)
13
14 class UserUpdate (BaseModel):
15 nickname: Optional[str] = Field(None, min_length=2, max_length=50)
16 profile image_url: Optional[str] = None
17 is_admin: Optional[bool] = None
18
19 class SocialLoginData (BaseModel):
20 provider: Literal ("google", "kakao")
21
22 class UserInDB (UserBase):
23 id: str
24 hashed password: str
25 login type: str = "email"
26 profile_image_url: Optional[str] = None
27
28 class UserProfile(UserBase):
29 id: str
30 profile_image_url: Optional[str]
31 login_type: str
32
33 class Config:
34 from_attributes = True
35
36 class Token (BaseModel):
37 access_token: str
38 token_type: str
39 do class TokenDaseModel):
41 email: Optional[str] = None
```

File: /Users/kh.kim/Documents/AIChat/app/models/relationship.py

```
from datetime import datetime, timezone from enum import Enum from typing import Optional
5 from pydantic import BaseModel 6
                                         INSTANCE PROPERTY OF STREET OF STREE
8 class
9 EN
 11
12
 14
15
16
17
 18 class
                                                                                                CharacterInteractionBase(BaseModel)
                                           user_CharacterInteractionBase (BaseModel):
user_id: str
character_id: str
affinity: float = 0
relationship_type: RelationshipType = RelationshipType.STRANGER
nickname: Optional|str| = None
last_interaction: datetime = datetime.now(timezone.utc)
interaction_count: int = 0
conversation_memory: int = 0
learning_rate: float = 0.0
custom_traits: dict = {}
conversation_history: dict = {}
}
 20
21
 24
25
 26
27
28
 ss UserCharacterInteractionUpdate (BaseModel):
affinity: Optional [float] = None
relationship_type: Optional RelationshipType] = None
nickname: Optional Istr] = None
last_interaction: Optional [datetime] = None
interaction count: Optional [int] = None
conversation_memory: Optional[int] = None
learning_rate: Optional [float] = None
custom_traits: Optional [dict] = None
conversation_history: Optional [dict] = None
33
34 class
35 a
36 r
37 n
38 1
39 i
   40
41
 44
45 class
                                                                                                  CharacterInteractionInDB(UserCharacterInteractionBase)
 46
47
48
49
                                               class Config:
   orm mode = True
 50
```

File: /Users/kh.kim/Documents/AIChat/app/models/conversation.py

```
import uuid
from datetime import datetime
from pydantic import BaseModel, Field

from pydantic import BaseModel);
from pydantic import BaseModel);

stuser_id: uuid.UUID

decharacter_id: uuid.UUID

decharacter_id: uuid.UUID

character_id: str = Field(..., description="User_ID as string")

character_id: str = Field(..., description="Character_ID as string")

character_id: str = Field(..., description="Character_ID as string")

context: Optional [Dict] = Field(default_factory_dict)

foclass ConversationCreate(ConversationBase):

foclass ConversationUpdate(BaseModel):
    context: Optional[Dict] = None

context: Optional[Dict] = Field(default_factory=dict)

context: Optional[Dict] = Field(default_factory=dict)

context: List[Dict]

conversation_fd: uuid.UUID

context: List[Dict]

content: List[Dict]

content: List[Dict]

content: Optional[List[Dict]] = None

class MessageCreate(MessageBase):

class MessageIndB(MessageBase):

di uuid.UUID

created_at: datetime

content: Optional[List[Dict]] = None

class Config:
    from_attributes = True

class Conf
```

File: /Users/kh.kim/Documents/AIChat/app/models/__init__.py

1 [binary]

[binary]

File: /Users/kh.kim/Documents/AIChat/app/models/__pycache__/user.cpython-39.pyc

[binary]

File: /Users/kh.kim/Documents/AIChat/app/models/__pycache__/character.cpython-39.pyc

[binary]

File: /Users/kh.kim/Documents/AIChat/app/models/chat.py

1 [binary]

File: /Users/kh.kim/Documents/AIChat/app/models/scenario.py

```
1 # # models/scenario.py
2
3 # from pydantic import BaseModel
4 # from typing import List, Optional
5 # from enum import Enum
6 # from datetime import datetime
7
7 # class ScenarioTriggerType(Enum):
9 # """ """
10 # AFFINITY = "affinity" #
11 # TIME = "time" #
12 # EVENT = "event" #
13
14 # class ScenarioStep(BaseModel):
15 # """ """
16 # step_id: str
17 # content: str
18 # image_url: Optional[str] = None # URL ()
19
20 # class Scenario(BaseModel):
21 # """ """
22 # id: str
23 # character_id: str
24 # title: str
24 # title: str
25 # description: str
26 # trigger_type: ScenarioTriggerType
27 # trigger_value: float #: 60 7
28 # steps. List(ScenarioStep)
29 # created_at: datetime
30 # updated_at: datetime
31
32 # class ScenarioProgress(BaseModel):
33 # """ """
34 # id: str
35 # user_id: str
36 # scenario_id: str
37 # current_step: int
38 # started_at: datetime
39 # completed_at: Optional[datetime] = None
40 # is_completed: bool = False
41
42 # class ScenarioCreate(BaseModel):
43 # """
44 # character_id: str
45 # title: str
46 # description: str
47 # trigger_type: ScenarioTriggerType
48 # steps: List(ScenarioStep)
50
51 # class ScenarioCreate(BaseModel):
52 # """
53 # title: Optional[str] = None
55 # trigger_type: Optional[str] = None
56 # trigger_type: Optional[str] = None
57 # steps: Optional[List(ScenarioStep]] = None
57 # steps: Optional[List(ScenarioStep]] = None
```

File: /Users/kh.kim/Documents/AIChat/app/models/character.py

```
import uuid
from datetime import datetime
from typing import Dict, List, Optional
                   from pydantic import BaseModel, Field
                   class LocalizedContent (BaseModel):
    ko: Optional|str| = Field(None, description="Korean content")
    en: Optional|str| = Field(None, description="English content")
    ja: Optional|str| = Field(None, description="Japanese content")
11
12
                                                                                                    nfig:
a = 'forbid' # This prevents additional fields
13
14
15
16
17
18
                                                                     extra =
                 class LanguageProficiency(BaseModel):
    language_code: str
    proficiency: str
    preference_order: int = Field(ge=1)
19
20
21
                 class PersonalityTrait(BaseModel):
    trait: str
    score: float = Field(ge=0.0, le=1.0)
22
23
24
25
                   class Interest(BaseModel):
    topic: str
    level: str
26
27
28
29
                                        topic str

iss CharacterBase(BaseModel):

version: str
names: LocalizedContent
gender: str
age: int = Field(ge=0, le=150)
personality_traits: List(PersonalityTrait)
interests: List(Interest)
cocupation: LocalizedContent
background: LocalizedContent
background: LocalizedContent
appearance seed: str
appearance description: LocalizedContent
relationship_status: Optional[str] = None
languages: List(LanguageProficiency)
conversation style: LocalizedContent
communication_preferences: Dict(str, str)
backstory: LocalizedContent
quirks: LocalizedContent
quirks: LocalizedContent
quirks: LocalizedContent
emotional_intelligence: float = Field(ge=0.0, le=1.0)
cultural sensitivity: float = Field(ge=0.0, le=1.0)
relationship_progression_pace: str
conflict_resolution_style: str
interaction_prompts: Dict(str, LocalizedContent)
character_prompt: str
response_generation_parameters: Dict(str, float)
is_public: bool = False

iss_CharacterCreate(CharacterBase):
class CharacterCreate (CharacterBase)
                                        pass

ss CharacterUpdate (BaseModel):
    version: Optional[str] = None
    anmes: Optional[str] = None
    age: Optional[str] = Field (None, ge=0, le=150)
    personality traits: Optional[List[PersonalityTrait]] = None
    interests: Optional[List[Interest]] = None
    occupation: Optional[LocalizedContent] = None
    occupation: Optional[LocalizedContent] = None
    background: Optional[LocalizedContent] = None
    appearance seed: Optional[str] = None
    appearance seed: Optional[str] = None
    appearance description: Optional[LocalizedContent] = None
    relationship status: Optional[str] = None
    languages: Optional List[LanguageProficiency] = None
    conversation style: Optional[LocalizedContent] = None
    conversation style: Optional[LocalizedContent] = None
    conversation style: Optional[IocalizedContent] = None
    goals: Optional[LocalizedContent] = None
    gualts: Optional[LocalizedContent] = None
    motional[IocalizedContent] = None
    emotional[Intelligence: Optional[float] = Field(None, ge=0.0, le=1.0)
    cultural sensitivity: Optional[float] = Field(None, ge=0.0, le=1.0)
    cultural sensitivity: Optional[float] = Field(None, ge=0.0, le=1.0)
    cultural sensitivity: Optional[float] = Field(None, ge=0.0, le=1.0)
    cultural resolution style: Optional[str] = None
    interaction prompts: Optional[str] = None
                     class CharacterInDB (CharacterBase)
                                             id: uuid.UUID
creator_id: str
created_at: datetime
updated_at: datetime
                                                                       from_attributes = True
                   class CharacterProfile(CharacterBase):
   id: uuid.UUID
   creator_id: str
                                                                       from_attributes = True
```

File: /Users/kh.kim/Documents/AlChat/app/__pycache__/__init__.cpython-39.pyc

[binary]

File: /Users/kh.kim/Documents/AlChat/app/__pycache__/config.cpython-39.pyc

[binary]

File: /Users/kh.kim/Documents/AIChat/app/__pycache__/main.cpython-39.pyc

[binary]

File: /Users/kh.kim/Documents/AIChat/app/main.py

```
1 import logging
2 import os
3 import sys
4 from contextlib import asynccontextmanager
5 from fastapi import FastAPI, Request 7 from fastapi middleware.cors import CORSMiddleware 8 from supabase import Client, create_client 9
 10 import redis
11
2 from app.config import redis client
13 from app.routes.characters import router as characters_router
14 from app.routes.conversations import router as conversations_router
15 from app.routes.users import router as users_router
16 # from app.routes.scenarios import router as scenarios_router
17 from app.services.auth_service import router as auth_router
18
 19 sys.path.append(os.path.dirname(os.path.dirname(os.path.abspath(__file__))))
 20 Ogging basicConfig (level=logging INFO) 22 logger = logging getLogger (__name__) 23
 24 @asynccontextmanager
              ynccontextmanager
nc def lifespan(app: FastAPI):
logger.info("Application is starting up")
from app.config import test_redis_connection, redis_client
 26
27
28
29
             if test_redis_connection():
    logger.info("Successfully connected to Redis")
else:
 30
31
32
33
34
35
36
37
38
39
                       e:
logger.warning("Continuing without Redis connection")
             if redis_client:
    redis_client.close()
    logger.info("Redis_connection_closed")
logger.info("Application_is_shutting_down"
 41 app = FastAPI(debug=True, lifespan=lifespan)
 42 da app.add middleware |
44 CORSMiddleware,
45 allow_origins= ""*" |, #
46 allow_oredentials=True,
47 allow_methods= ["*"],
48 allow_headers= ["*"],
55

56 supabase: Client = create_client(supabase_url, supabase_key)

57 app.state.supabase = supabase
  50
59 @app.middleware("http")
             op.middleware("http")

mc def log_requests(request: Request, call_next):
logger.info(f"Request path: {request.url.path}")
response = await call_next(request)
logger.info(f"Response status code: {response.status_code}")
return response
65
66 app.include_router(users_router)
67 app.include_router(characters_router)
68 app.include router(conversations_router)
69 # app.include_router(scenarios_router)
70 app.include_router(auth_router, prefix="/auth")
71
72 #app.get("/")
73 async def root():
74 return ("message": "Hello World")
75
 75
76 if __name__ == "__main__":
77 import uvicorn
            port = int (os.environ.get("PORT", 8000))
uvicorn.run("app.main:app", host="0.0.0.0", port-port, reload=True
```

File: /Users/kh.kim/Documents/AlChat/app/routes/scenarios.py

```
3 # from fastapi import APIRouter, HTTPException, Depends
4 # from typing import List
5 # from app.models.scenario import ScenarioCreate, ScenarioUpdate, Scenario, ScenarioProgress
6 # from app.services import scenario service
7 # from app.models.user import UserProfile as User
8 # from app.dependencies import get_current_user
9
10 # vonce.
  10 # router = APIRouter()
 11
2 # @router.post("/scenarios", response model=Scenario)
13 # async def create_scenario(scenario: ScenarioCreate, current_user: User = Depends(get_current_user)):
14 # """
  15 #
16 #
                       return await scenario service.create scenario(scenario)
 -
19 # @router.get("/scenarios/(scenario_id)", response_model=Scenario)
20 # async def get_scenario(scenario_id: str, current_user: User = Depends(get_current_user)):
21 # """
 23 #
                       scenario = await scenario_service.get_scenario(scenario_id)
if not scenario:
 24 #
  25 #
                     11 NOL Scenafic:
    raise HTTPException(status_code=404, detail="Scenario not found")
return scenario
 26 #
 28
29 # @router.put("/scenarios/(scenario_id)", response_model=Scenario)
30 # async def update_scenario(scenario_id: str, scenario_update: ScenarioUpdate, current_user: User = Depends(get_current_user)):
31 # """
  32 #
33 #
                     updated_scenario = await scenario_service.update_scenario(scenario_id, scenario_update)
if not updated scenario:
    raise HTTPException(status_code=404, detail="Scenario not found")
return updated_scenario
  34 #
35 #
  36 #
 38 @router.delete("/scenarios/{scenario_id}", response_model=bool)
40 # async def delete_scenario(scenario_id: str, current_user: User = Depends(get_current_user)):
41 # """
 42 # 43 #
 44 #
                       deleted = await scenario_service.delete_scenario(scenario_id)
if not deleted:
                      raise HTTPException(status_code=404, detail="Scenario not found") return True
  46 #
40 # @router.post("/scenarios/{scenario_id}/start", response_model=ScenarioProgress)
50 # async def start_scenario(scenario_id: str, current_user: User = Depends(get_current_user)):
51 # """
 52 #
53 #
54 #
55 #
56 #
57 #
58 #
59
                     progress = await scenario_service.start_scenario(str(current_user.id), scenario_id)
  return progress
except ValueError as e:
  raise HTTPException(status_code=400, detail=str(e))
00 # @router.post("/scenarios/{scenario_id}/progress", response_model=ScenarioProgress)
61 # async def progress_scenario(scenario_id: str, current_user: User = Depends(get_current_user)):
62 # """
 63 #
64 #
65 #
66 #
                                   progress = await scenario_service.progress_scenario(str(current_user.id), scenario_id)
                       return progress
except ValueError as e:
    raise HTTPException(status_code=400, detail=str(e))
 109 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 
 75 #
76 #
77 #
78 #
                       scenario = await scenario_service.check_scenario_trigger(str(current_user.id), character_id) if not scenario:
    raise HTTPException(status_code=404, detail="No scenario triggered") return scenario
 81 # @router.get("/scenarios", response_model=List[Scenario])
82 # async def list_scenarios(character_id: str, current_user: User = Depends(get_current_user)):
83 # """
 84 #
85 #
86 #
87 #
                       scenarios = await scenario_service.get_all_scenarios_for_character(character_id)
return scenarios
 oo 89 # @router.get("/scenarios/{scenario_id})/progress", response_model=ScenarioProgress)
90 # async def get_scenario_progress(scenario_id: str, current_user: User = Depends(get_current_user)):
91 # """
                       progress = await scenario_service.get_scenario_progress(str(current_user.id), scenario_id)
if not progress:
    raise HTTPException(status_code=404, detail="Scenario progress not found")
return progress
```

File: /Users/kh.kim/Documents/AlChat/app/routes/users.py

```
1 from typing import List
     from fastapi import APIRouter, Depends, HTTPException, Request, logger from fastapi.responses import JSONResponse from pydantic import BaseModel
    14 router = APIRouter()
  16 @router.post("/register")
17 async def register(user: UserCreate):
           try:
    result = register_user_user_user.email, user.password, user.nickname
    return result
except Exception as e:
    raise HTTPException(status_code=400, detail=str(e))
 19
 20
21
 22
23
24 class UserBase (BaseModel);
25 email: str
26 password: str
  28 @router.post("/login")
29 async def login(user: UserBase)
           ync def login(user. oscillat.)
try:
    result = login_user(user.email, user.password)
    return result =
    except Exception as e:
        raise HTTPException(status_code=401, detail=str(e))
 30
31
 32
33
34
35
36
37
38
39
40
41
       @router.post("/social-login/{provider}")
async def social_login_route(provider: str, request: Request);
          try:
    response = social_login(provider, request)
    return JSONResponse(content=response)
except HTTPEXception as e:
    return JSONResponse(content=("detail": e.detail), status_code=e.status_code)
 42
43
 43 | Touter.get("/auth/callback")
45 async def auth_callback_route(request: Request):
46 | return await auth_callback(request)
 46
47
47
48 @router.post("/process_token")
49 async def process_token_route(token_data: dict)
          try:
    response = await process_token(token_data)
    return JSONResponse(content_response)
except HTTPEXception as e:
    return JSONResponse(content=("detail": e.detail), status_code=e.status_code)
 74
75 "router get("/linked-accounts", response_model=List[str])
76 async def linked_accounts(user=Depends(get_current_user))
77 return await_get_linked_accounts(user)
```

File: /Users/kh.kim/Documents/AlChat/app/routes/ init .py

1 [binary]

File: /Users/kh.kim/Documents/AIChat/app/routes/__pycache__/__init__.cpython-39.pyc

[binary]

File: /Users/kh.kim/Documents/AIChat/app/routes/__pycache__/characters.cpython-39.pyc

[binary]

File: /Users/kh.kim/Documents/AIChat/app/routes/characters.py

File: /Users/kh.kim/Documents/AlChat/app/routes/conversations.py

```
1 from typing import List
    from fastapi import APIRouter, Depends, Query
    from app.models.conversation import (ConversationCreate, ConversationProfile, ConversationUpdate, MessageCreate,
7 MessageProfile)
8 from app.models.relationship import (RelationshipType
                                                                              UserCharacterInteractionUpdate
9 UserCharacterInteractionUpdat
10 from app.models.user import UserProfile as User
11 from app.services.auth service import get_current_user
12 from app.services.conversation_service import ConversationService
 13
14 router = APIRouter()
15 conversation_service = ConversationService()
 16
16 "couter.post("/conversations", response_model=ConversationProfile)
18 async def create_conversation_route|conversation: ConversationCreate, current_user: User = Depends(get_current_user)):
19     return await conversation_service.create_conversation(conversation, current_user)
Depends (get current user) ) :
@router.get("/conversations", response_model=List(ConversationProfile)
async def list_conversations_route(current_user: User = Depends(get_cu
return_await_conversation_service.list_conversations(current_user)
                                                                                                                                            current user))
 36
37
      @router.post("/conversations/(conversation_id)/messages", response_model=MessageProfile)
async_def_create_message_route(conversation_id: str, message: MessageCreate, current_user: User = Depend
return_await_conversation_service.create_message_and_respond(conversation_id, message, current_user)
                                                                                                                                                                                                      Depends (get current user) ) :
 40
      #router.get("/conversations/(conversation_id)/messages", response_model=List(MessageProfile)
async_def list_messages_route(conversation_id: str, current_user: User = Depends(get_current_return_await_conversation_service.list_messages(conversation_id, current_user)
 44
      @router.get("/conversations/(conversation_id)/messages/{message_id}", response_model=MessageProfile)
async def get_message_route(conversation_id: str, message_id: str, current_user: User = Depends(get_
return await conversation_service.get_message(message_id, current_user)
 46
                                                                                                                                                                                   Depends (get current user) :
 48
             iter.post("/conversations/(conversation_id)/summarize")
no def summarize conversation_route(conversation_id) str, current_user; User = Depends(get_current_user));
summary = await_conversation_service.summarize_conversation(conversation_id, current_user)
return ("summary": summary)
 50
      @router.get("/conversations/{conversation_id}/similar-messages")
async def get_similar_messages_route(
   conversation_id: str,
   message content: str = Query(..., description="Content of the message to find similar ones"),
   top_k: int = Query(5, description="Number of similar messages to return"),
   current_user: User = Depends(get_current_user)
};
55
56
57
58
59
            similar\_messages - await\_conversation\_service.get\_similar\_messages(conversation\_id,\_message\_content,\_top\_k) \\ return $\ ^*similar\_messages": similar\_messages)$
 61
      "router.get("/conversations/{conversation_id}/message-count")
async def get_message_count_route(conversation_id: str, current_user: User = Depends(get_current_user)):
    count = await conversation_service.get_message_count(conversation_id)
    return ("message_count": count)
 66
67
68
      @router.put("/conversations/{conversation_id}/nickname")
             iter.put("/conversations/(conversation______
to def update nickname route(
conversation_id: str,
nickname: str = Query(..., description="New nickname for the user"),
convers user: User = Depends(get_current_user)
71
72
73
74
75
76
77
78
79
            conversation = await conversation_service.get_conversation(conversation_id, current_user)
await conversation_service.relationship_service.update_interaction(
    str(conversation.character_id),
    str(current_user).id),
    UserCharacterInteractionUpdate(nickname=nickname)
      @router.put("/conversations/(conversation_id)/relationship-type")
async def update_relationship_type_route(
    conversation_id: str,
    relationship_type; RelationshipType,
    current_user: User = Depends(get_current_user)
                    versation = await conversation service.get_conversation(conversation_id, current_user)
it conversation_service.relationship_service.update_interaction(
    str(conversation.character_id),
    str(current_user.id),
             conversation
90
91
92
93
94
95
96
                     relationship type
```

File: /Users/kh.kim/Documents/AIChat/app/services/ai_service.py

```
1 import asyncio
2 import os
3 from typing import Any, Dict, List
4 from dotenv import load_dotenv
   load dotenv()
9 import openai
10 from pinecone import Pinecone, ServerlessSpec
13 class
        def __init__(self):
    openai.api_key = os.environ.get('OPENAI_API_KEY')
14
15
16
17
18
             * Finecone
self.pc = Pinecone(api key=os.environ.get("PINECONE API KEY"))
20
21
             #
index_name = os.environ.get("PINECONE_INDEX_NAME"
22
23
24
25
26
27
28
29
             self.index = self.pc.Index(index_name)
        def vectorize_text(self, text: str) -> List[float];
             response = openai.Embedding.create(
  input=text,
  model="text-embedding-ada-002"
             embedding = response['data'][0]['embedding']
return embedding
        def store_vector(self, id: str, vector: List[float], metadata: Dict[str, Any]):
             self.index.upsert(vectors=[(id, vector, metadata)])
        async def store vector async(self, id: str, vector: List[float], metadata: Dict[str, Any]):
              # run_in_executor
await asyncio.get_event_loop().run_in_executor(
    None, self.store_vector, id, vector, metadata
        \texttt{def search\_similar\_vectors}(\texttt{self, vector: List[float]}, \texttt{ conversation\_id: str, top\_k: int = 5)} \rightarrow \texttt{List[Dict[str, Any]]}:
             results = self,index.query(
    vector-vector,
    top_k-top_k,
    include_metadata=True,
    filter=["conversation_id": conversation_id]
             return results['matches']
        async def generate_response(self, context: str) -> str:
               AI
             # TODO: AI
# AI API .
return f"AI response based on context: {context[:50]}..." #
```

File: /Users/kh.kim/Documents/AlChat/app/services/auth_service.py

```
import logging
import os
import os
import APIRouter, Depends, HTTPException, Request
from fastapi import APIRouter, Depends, HTTPException, Request
from fastapi.responses import HTMLResponse
from fastapi.security import HTMLResponse
from supabase import BaseModel
from supabase import Client, create_client

vouter = APIRouter()
logging basicConfig (level=logging.DEBUG)
logging basicConfig (level=loggi
```

```
token = credentials.credentials
\begin{array}{c} 42\\ 43\\ 44\\ 45\\ 61\\ 55\\ 55\\ 65\\ 65\\ 65\\ 66\\ 66\\ 66\\ 67\\ 71\\ 23\\ 74\\ 77\\ 77\\ 78\\ 81\\ 82\\ \end{array}
                      response = supabase auth.get_user(token)
if response and response.user:
    # is_admin
    user_data = supabase.table("users").select("is_admin").eq("id", response.user.id).single().execute()
    is_admin = user_data.data.get'i!s_admin', False) if user_data_data_else False
    return User(id-response.user.id, email-response.user.email, is_admin-is_admin)    # is_admin
raise HTTPException(status_code=401, detail="Invalid authentication credentials")
est Exception as e:
              except Exception as e: raise HTTPException(status_code-401, detail-f"Invalid authentication credentials: {str(e)}"
       def register_user(email: str, password: str, nickname: str)
                      auth_response = supabase.auth.sign_up({
                             "email": email,
"password": password
                   if auth_response.user:
    user_data = supabase.table("users").insert({
        "id": auth_response.user.id,
        "email": email,
        "nickname": nickname,
        "login_type": "email",
        "is_admin": False #
}).execute()
                              logger.info(f"User data insert response: {user_data}"
                              return
                                     "message": "User registered successfully",
"user_id": auth_response.user.id
              else:
    raise HTTPException(status_code=400, detail="Registration failed")
except Exception as e:
    logger.error(f"Registration error: {str(e)}")
    raise HTTPException(status_code=400, detail=str(e))
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97
98
      def login user(email: str, password: str):
                      :
logger.info(f"Attempting login for email: {email}")
auth_response = supabase.auth.sign_in_with_password(["email": email, "password": password))
logger.info(f"Auth_response: {auth_response}")
                      if auth_response.user and auth_response.session:
                               return."
"message": "Login successful",
"access token": auth_response.session.access_token,
"user_id": auth_response.user.id
              eise:
logger.error("Login failed: User or session not found in auth response")
raise HTTPException(status_code=401, detail="Invalid credentials")
except Exception as e:
logger.error(f"Login error: (str(e))")
ffilmsalid logger.error(f"Login error: (str(e))")
100
                      if "Invalid login credentials" in str(e):
raise HTTPException status code-401, detail="Invalid email or password")
elif "Email not confirmed" in str(e):
103
104
                               [ "Email not confirmed" in str(e):
raise HTTPException(status_code=401, detail="Email not confirmed. Please check your email for verification link.")
105
106
                               raise HTTPException(status_code=401, detail="Login failed. Please try again.")
107
108
109 def social login(provider: str, request: Request)
              110
111
112
113
114
115
116
117
118
119
                     logger.info(f"Auth response: {auth_response}")
if hasattr(auth_response, 'url');
    return ("url": auth_response.url)
else:
120
121
              else:
    raise HTTPException(status_code=400, detail="OAuth initialization failed")
except Exception as e:
    logger.error(f"Social Login Error: {str(e)}")
    raise HTTPException(status_code=400, detail=f"Social login error: {str(e)}")
124
126
128
130 async def auth callback(request: Request):
             nc der autn_earmous.--,..

try:
logger.debug("Auth callback hit")
code = request.query_params.get('code')
error = request.query_params.get('error')
logger.debug(f"Received code: {code}, error: {error}")
131
134
136
                      html_content = """
<html>
138
139
140
141
142
143
144
 145
146
 147
148
 149
150
 151
152
 155
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158
 159
160
                       return HTMLResponse(content=html_content)
                       return HTMLMesponse contains a spet Exception as e:
logger exception("Error in auth_callback: {str(e)}")
raise HTTPException(status_code=400, detail=f"Error processing authentication: {str(e)}")
165
166 # async def auth_callback(request: Request):
                  try:
logger.debug("Auth callback hit")
code = request.query_params.get("
                           logger.denug("autn callback nit")
code = request.query_params.get('code')
error = request.query_params.get('error')
logger.debug(f"Received code: {code}, error: {error}")
```

```
172
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174 #
175 #
176 #
177 #
179 #
180 #
181 #
182 #
183
184 #
185 #
                     function sendTokenToServer() {
function sendTokenToServer() {
var hash = window.location.hash.substring(1);
var params = new URLSearchParams(hash);
var access_token = params.get('access_token');
                                        if (!access_token) {
   document.body.innerHTML = '<hl>Error: No access token found</hl>';
   return;
 186 #
187 #
 188
                                        fetch('/process_token', {
    method: 'POST',
                                              method: 'POST',
headers: {
    'Content-Type': 'application/json',
 190 #
191 #
 192
                                              },
body: JSON.stringify({access_token: access_token}),
 193 #
194 #
                                        })
.then(response => {
    'f'response.com
    'f'response.com
}
 195 #
196 #
                                                    ..csponse.ok) {
  return response.json().then(err => {
      throw new Error(err.detail || 'Unknown error occurred');
});
                                               if (!response.ok) {
 197 #
198 #
 199 #
200 #
 201 #
                                              }
return response.json();
                                       204
 205
 206
 207 #
208 #
 209
 213
                                         })
.catch((error) => {
    console.error('Error:', error);
    document.body.innerHTML = '<hl>Error occurred during authentication</hl>' + error.message + '';
 216
                                  window.onload = sendTokenToServer;
                            </script>
                            <hl>Processing authentication...</hl>
221 #
222 #
                     <h1
</body>
</html>
223 #
224 #
                     return HTMLResponse(content=html_content)
225 #
226 #
              except Exception as e:
   logger.exception(f"Error in auth_callback: (str(e))")
   raise HTTPException(status_code=400, detail=f"Error processing authentication: {str(e)}")
227 #
228 #
229
231 async def process token(token data: dict)
            try:
access_token = token_data.get('access_token')
234
                        not access_token:
raise HTTPException(status_code=400, detail="Access token not provided"
235
236
                  user = supabase.auth.get user(access token)
238
239
                  if not user or not user.user: raise HTTPException(status_code=400, detail="User information not found"
240
241
242
243
                 user_id = user.user.id
user_email = user.user.email
244
245
246
247
                  #
user_data = supabase.table("users").select("*").eq("id", user_id).execute()
logger.debug(f"User_data: {user_data}")
248
249
                  if user_data.data:
250
251
                        #
message = f"Successfully logged in."
logger.debug(f"Existing user logged in: {user id}".
252
253
254
255
                        #
mew_user = {
    "id": user_id,
    "email:: user_email,
    "nickname": f"User {user_id[:8]}",
    "login_type": "social",
    "is_admin": False #
256
257
 258
260
 261
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263
                        | insert_result = supabase.table("users").insert(new_user).execute()
| logger.debug(f"Insert_result: {insert_result}")
| if not insert_result.data:
| raise HTTPException(status_code=500, detail="Failed to create new user")
| message = f"New user_successfully created."
| logger.debug(f"New user_created: {user_id}")
264
 265
266
 267
268
 269
                  response_data = {
    "message": message,
    "user_id": user_id
270
271
272
273
274
275
276
277
278
279
280
                  logger.debug(f"Returning response: {response_data}")
return response_data
            except Exception as e:
   logger.exception(f"Detailed error in process token: {str(e)}")
   raise HTTPException(status_code=400, detail=f"Error processing authentication: {str(e)}")
287
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292
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294
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296
297
298
299
300
301
           ync def update_user_profile(user_update, user)
                  :
update_data = user_update.dict(exclude_unset=True)
response: APIResponse = supabase.table("users").update(update_data).eq("id", user.id).execute()
                  if response.data and len(response.data) > 0:
```

File: /Users/kh.kim/Documents/AIChat/app/services/chat_service.py

1 [binary

File: /Users/kh.kim/Documents/AIChat/app/services/conversation_service.py

```
import logging
import os
from datetime import datetime, timezone
from typing import Dict, List
      import tiktoken
from fastapi import APIRouter, HTTPException
from langchain core.prompts import PromptTemplate
from langchain core.runnables import RunnableSequence
from langchain core.couments import Document
from langchain.core.documents import Document
from langchain.memory import ConversationBufferWindowMemory
from langchain.core.messages import AIMessage, HumanMessage
from langchain.chains.summarize import load_summarize_chain
from langchain.chains import LLMChain
from supabase import Client, create_client
16
17
       from app.config import redis_client
from app.models.conversation import
                                                                        UserCharacterInteractionInDB
                                                                                          UserCharacterInteractionUpdate
       UserCharacterInteractionUpda
from app.models.user import UserProfile as User
from app.services.ai_service import AlService
from app.services.relationship_service import RelationshipService
26
       router = APIRouter()
 31
       logging.basicConfig(level=logging.DEBUG
logger = logging.getLogger(__name__)
       supabase_url = os.getenv("SUPABASE_URL")
supabase_key = os.getenv("SUPABASE_KEY")
if not supabase_url or not supabase_key:
    raise ValueError("SUPABASE_URL and SUPABASE_KEY must be set in .env file"
 36
       supabase: Client = create_client(supabase_url, supabase_key)
               ss ConversationContextManager; #
def __init__(self, window_size: int = 10): # window_size:
    self.memory = ConversationBufferWindowMemory(k-window_size) #
    self.current_scenario = None #
46
47
 48
                def add_message(self, role: str, content: str): # role: , content:
   if role == 'human':
50
51
                        self.memory.chat_memory.add_message(HumanMessage(content=content))
elif role = 'ai';
52
53
54
55
56
57
58
59
60
61
                                 \verb|self.memory.chat_memory.add_message(AIMessage(content=content))|\\
                def get_conversation_history(self) -> List[Dict[str, str]]:
    return [("role": msg.type, "content": msg.content) for msg in self.memory.chat_memory.messages
                def update_relationship info(self, affinity: float, interaction_count: int):
    self.relationship info update({
        "affinity": affinity,
        "interaction_count": interaction_count
62
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76
77
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81
82
                \label{eq:continuous} \begin{array}{ll} \texttt{def set\_current\_scenario}(\texttt{self}, \ \texttt{scenario}: \ \texttt{Dict}[\texttt{str}, \ \texttt{any}]): \\ \texttt{self\_current\_scenario} = \texttt{scenario} \end{array}
                def get_formatted_context(self) -> str:
    context = {
                            "context = (
  "conversation_history": self.get_conversation_history(),
  "relationship_info": self.relationship_info,
  "current_scenario": self.current_scenario
                         return json.dumps(context, ensure ascii=False, indent=2)
                def clear_context(self):
    self.memory.clear()
    self.relationship_info = {}
    self.current_scenario = None
         self relationship_service = RelationshipService()
self.llm = ChatOpenAI(temperature=0.7)
self.prompt_template = PromptTemplate(
   input_variables=["context", "recent_messages"
   template="""
AI . :
```

```
self.llm_chain = LLMChain(llm=self.llm, prompt=self.prompt_template)
                 self.relationship_service = RelationshipService()
self.llm = ChatOpenAI(temperature=0.7)
self.affinity_prompt = PromptTemplate(
    input_variables=["summary"],
    template="""
                  self.affinity_chain = LLMChain(llm=self.llm, prompt=self.affinity_prompt)
                 self.redis_client = redis_client
            async def summarize conversation(self, conversation id: str, current user: User) -> str
                 messages = await self.list_messages(conversation_id, current_user)
                  recent messages = messages[-10:]
                     Document

ocs = [Document(page_content=msg.content) for msg in recent_messages]
                  summary = self.summarize chain.run(docs)
                  "
await self.save_summary(conversation_id, summary)
                  # AI affinity change = await self.calculate affinity change(summary)
                  #
conversation = await self.get_conversation(conversation_id, current_user)
await self.relationship_service.update_affinity(str(conversation.character_id), str(current_user.id), affinity_change
149
150
151
152
153
154
155
156
157
                  return summary
            async def save_summary(self, conversation_id: str, summary: str)
                 :param conversation_id: ID
:param summary:
159
160
                 try:
# Supabase
161
162
                       # Supabase
response = supabase.table("conversation_summaries"),insert((
    "conversation_id": conversation_id,
    "summary": summary,
    "created_at": datetime.now(timezone.utc).isoformat()
)).execute()
163
164
165
166
167
168
                 if not response data:
    raise HTTPException(status_code=400, detail="Failed to save summary")
except Exception as e:
logger.error(f%Error saving summary: {str(e)}")
raise HTTPException(status_code=400, detail=str(e))
169
170
173
174
                 nc def create_message_and_respond(self, conversation_id: str, message: MessageCreate, current_user: User) -> MessageProfile
created_message = await_self.create_message(conversation_id, message, current_user)
175
176
                 if message.sender == "user":
    conversation = await self.get_conversation(conversation_id, current_user)
    ai_response = await self.generate_ai_response(conversation_id, str(current_user.id), str(conversation.character_id))
177
178
179
180
                        ai_message = MessageCreate(sender="character", content-ai_response)
await self.create message(conversation_id, ai_message, current_user
181
182
183
184
                 return created message
           async def create_conversation(self, conversation: ConversationCreate, current_user: User) -> ConversationProfile
try:
185
186
187
                        conversation_data = conversation.model_dump()
conversation_data['user_id'] = str(current_user.id)
conversation_data['character_id'] = str(conversation.character_id)
189
190
191
192
                        response = supabase.table("conversations").insert(conversation data).execute()
193
194
                       if response data:
                              response.data.
self.context_manager.clear_context()
return ConversationProfile(**response.data[0])
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222
222
222
222
223
                 else:
    raise HTTPException(status_code=400, detail="Failed to create conversation")
except Exception as e:
    logger.error(f"Firror creating conversation: {str(e)}")
    raise HTTPException(status_code=400, detail=str(e))
            async def get_conversation(self, conversation_id: str, current_user: User) -> ConversationProfile:
    # Redis
                  # Neurs
cached_conversation = self.redis_client.get(f"conversation:{conversation_id}")
if cached conversation:
                        cached_conversation:
conversation = json.loads(cached_conversation)
if conversation['user_id'] == current_user_id:
    return ConversationProfile(**conversation)
                  # Redis
                       # RedIs
self.redis_client.setex(f"conversation:{conversation_id}", 3600, json.dumps(conversation)) # 1
return ConversationProfile(**conversation)
                                     raise HTTPException(status_code=403, detail="You don't have permission to access this conversation")
                               raise HTTPException(status_code=404, detail="Conversation not found")
```

```
ept Exception as e:
logger.error(f"Error getting conversation: {str(e)}"
raise HTTPException(status_code=400, detail=str(e))
           async def update_conversation(self, conversation_id: str, conversation: ConversationUpdate, current_user: User) -> ConversationProfile: try:
229
230
231
232
233
234
235
236
237
238
                       :
existing_conversation = await self.get_conversation(conversation_id, current_user)
if existing_conversation.user_id != current_user.id:
raise HTTPException(status_code=403, detail="You don't have permission to update this conversation",
                       response = supabase.table("conversations").update(update_data).eq("id", conversation_id).execute() if response.data:
    return ConversationProfile(**response.data[0])
else:
                       update_data = conversation.model_dump(exclude_unset=True)
239
240
241
242
243
244
245
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250
251
252
253
255
257
258
257
258
259
260
                 else:
    raise HTTPException(status_code=400, detail="Failed to update conversation")
except Exception as e:
    logger_error(["Proro updating conversation: {str(e)}")
    raise HTTPException(status_code=400, detail=str(e))
           async def delete_conversation(self, conversation_id: str, current_user: User):
    try:
                       :
    existing_conversation = await self.get_conversation(conversation_id, current_user)
    if existing_conversation.user_id != current_user_id:
        raise HTTPException(status_code=403, detail="You don't have permission to delete this conversation"
                        response = supabase.table("conversations").delete().eq("id", conversation_id).execute()
                response = supanase.tanre("conversations / response - supanase.tanre("conversations / response.data:
    raise HTTPException(status_code=400, detail="Failed to delete conversation")
    logger.error(f"Error deleting conversation: {str(e)}")
    raise HTTPException(status_code=400, detail=str(e))
           async def list_conversations(self, current_user: User) -> List[ConversationProfile]:
                       response = supabase.table("conversations").select("*").eq("user_id", current_user.id).execute()
261
262
263
264
                        if response.data:
                                         [ConversationProfile(**conversation) for conversation in response.data]
                       return
else:
265
266
                return ||
except Exception as e:
logger.error(f"Error listing conversations: {str(e)}")
raise HTTPException(status_code=400, detail=str(e))
267
268
269
270
271
272
273
274
           async def create message(self, conversation id: str, message: MessageCreate, current user: User) -> MessageProfile
                        await self.get conversation(conversation id, current user)
                       message_data = message.model_dump()
message_data['conversation_id'] = conversation_id
275
276
277
278
                        self.context_manager.add_message("human" if message.sender == "user" else "ai", message.content)
279
280
                        message_count = await self.get_message_count(conversation_id)
281
282
                        # 10 -
if message_count % 10 == 0:
    await self.summarize_conversation(conversation_id, current_user)
283
284
285
286
                        vector = self.ai_service.vectorize_text(message.content)
message_data['embedding'] = vector
287
288
289
291
292
                        # Supabase ( )
response = supabase.table("messages").insert(message_data).execute()
293
294
                               created message = MessageProfile(**response.data[0])
295
296
                               # Redis
297
298
                              self.redis_client.lpush(f"recent_messages:{conversation_id}", json.dumps(created_message.dict()))
self.redis_client.ltrim(f"recent_messages:{conversation_id}", 0, 9)  # 10
299
300
301
                                  vait self.ai_service.store_vector_async(
   id=str(created_message.id),
   vector=vector,
303
                                     vector,
metadata=|
    "conversation_id": conversation_id,
    "content": message.content,
    "created_at": created_message.created_at.isoformat()
305
307
309
310
311
                              return created message
313
314
                                :
raise HTTPException(status_code=400, detail="Failed to create message"
                 315
316
317
319
320
321
           async \ def \ get\_similar\_messages(self, \ conversation\_id: \ str, \ message\_content: \ str, \ top\_k: \ int = 5) \ \rightarrow \\ List[MessageProfile]
322
323
324
325
326
327
328
329
                  vector = self.ai_service.vectorize_text(message_content)
similar_vectors = self.ai_service.search_similar_vectors(vector, conversation_id, top_k)
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348
350
351
352
353
353
                  similar_messages
for match in sim
                       return similar_messages
           async def get_message_count(self, conversation_id: str) -> int:
                 try:
    response = supabase.table("messages").select("id", count="exact").eq("conversation_id", conversation_id).execute()
    return response.count
except Exception as e:
    logger.error([f"Error getting message count: {str(e)}")
    raise HTTPException(status_code=400, detail=str(e))
```

```
async def list_messages(self, conversation_id: str, current_user: User) -> List[MessageProfile]
                         await self.get_conversation(conversation_id, current_user)
                        response = supabase.table("messages").select("*").eq("conversation_id", conversation_id).order("created_at").execute()
                 if response.data:
    return [MessageProfile(**message) for message in response.data]
else:
    return []
except Exception as e:
    logger.error(f"Error listing messages: {str(e)}")
    raise HTTPException(status_code=400, detail=str(e))
           async def get_message(self, message_id: str, current_user: User) -> MessageProfile:
    try:
        response = supabase.table("messages").select("*").eq("id", message_id).execute()
        if response.data:
                               response.data:
message = response.data[0]
conversation = await self.get_conversation(message['conversation_id'], current_user)
if conversation.user_id |= current_user.id:
    raise HTTPException(status_code=403, detail="You don't have permission to access this message")
return MessageProfile(**message)
                 else:
    raise HTTPException(status_code=404, detail="Message not found")
except Exception as e:
    logger.error(f"Error getting message: {str(e)}")
    raise HTTPException(status_code=400, detail=str(e))
           async def update_relationship(self, user_id: str, character_id: str, affinity: float, interaction_count: int)
    try:
                         self.context_manager.update_relationship_info(affinity, interaction_count)
                 #
except Exception as e:
  logger.error(f"Error updating relationship: {str(e)}")
  raise HTTPException(status_code=400, detail=str(e))
           async def set_scenario(self, scenario_id: str):
try:
                        scenario = await self.get_scenario_from_db|scenario_id|
self.context_manager.set_current_scenario|scenario|
sept_Exception_as e:
logger.errorif*Error setting_scenario: {str(e|}")
raise_HTTPException(status_code=400,_detail=str(e|))
401
402
403
404
            async def get scenario from db(self, scenario id: str):
                  response = supabase.table("scenarios").select("*").eq("id", scenario_id).execute()
                  if response data
405
406
                         return response.data[0]
407
408
                         raise HTTPException(status code=404, detail="Scenario not found")
409
           async def get_conversation_summary(self, conversation_id: str) -> str:
# Redis
410
411
412
                 # Redis
cached_summary = self.redis_client.get(f"conversation_summary:{conversation_id}")
if cached_summary:
    return_cached_summary
413
414
415
416
                  # Redis
417
418
                                           supabase.table("conversation summaries").select("summary").eq("conversation id", conversation id).order("created at", ascending-False).lim
419
420
                             response data
                               summary = response.data[0]['summary']
# Redis
421
422
                                # Redis
self.redis_client.setex(f"conversation_summary:{conversation_id}", 3600, summary) # 1
423
424
                 return "."
except Exception as e:
logger.error[f"Error getting conversation summary: {str(e)}")
425
426
427
428
429
430
                      \verb|def get_recent_messages(self, conversation_id: str, limit: int)| -> List[MessageProfile]|
                  # Redis
cached_messages = self.redis_client.lrange(f"recent_messages:{conversation_id}", 0, limit - 1)
if cached_messages and len(cached_messages) == limit:
    return [MessageProfile(**json.loads(msg)) for msg in cached_messages]
431
432
433
                  # Redis
435
                        response = supabase.table("messages").select("*").eq("conversation_id", conversation_id).order("created_at", ascending=False).limit(limit).execute() messages = [MessageProfile(**msg) for msg in response.data][::-1]
437
439
                         # Redis
                        for msg in messages:
    self.redis_client.lpush(f"recent_messages:{conversation_id}", json.dumps(msg.model_dump()))
self.redis_client.ltrim(f"recent_messages:{conversation_id}", 0, limit - 1)
441
443
444
445
446
                  return messages
except Exception as
                        ept Exception as e:
logger.error(f"Error getting recent messages: {str(e)}")
return []
447
449
450
451
452
453
454
455
            return await self.relationship_service.get_interaction(character_id, user_id) except HTTPException:
                         new_relationship = UserCharacterInteractionCreate(character_id=character_id) user_id=user_id)
return await self.relationship_service.create_interaction(new_relationship)
457
458
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480
481
           :
recent_messages = await self.get_recent_messages(conversation_id, 10)
summary = await self.get_conversation_summary(conversation_id)
similar_messages = await self.get_similar_messages(conversation_id, recent_messages[-1].content, 3)
relationship = await self.relationship_service.get_interaction(user_id, character_id)
affinity_level = self.relationship_service.get_affinity_level(relationship.affinity)
                         self.context_manager.update_relationship_info(relationship.affinity, relationship.interaction_count)
self.context_manager.add_message("human", recent_messages[-1].content)
                         context = self.context_manager.get_formatted_context()
                         #
encoding = tiktoken.encoding_for_model("gpt-3.5-turbo")
max_tokens = 4096  # GPT-3.5-turbo
prompt_tokens = len(encoding.encode(context))
available_tokens = max_tokens = prompt_tokens = 100  #
                         prompt_template = PromptTemplate(
  input_variables=["recent_mess.template="""
  AI . :
```

```
ChatOpenAI(temperature=0.7, max_tokens=available_tokens)
hain = LLMChain(llm=llm, prompt_prompt_template)
                        llm_chain
                      # AI
self.context_manager.add_message("ai", ai_response)
                 return ai_response
except Exception as e:
  logger.error(f"Error generating AI response: {str(e)}")
  return ". . ."
          def format_messages[self, messages: List[MessageProfile]) -> str:
    return "\n".join([f"{msg.sender}: {msg.content}" for msg in messages]
           async def update affinity(self, conversation id: str, user id: str, character id: str, message content: str)
                 affinity_change = self.calculate_affinity_change(message_content)
                 relationship = await self.relationship_service.get_relationship(user_id, character_id)
new_affinity = max(-100, min(100, relationship.affinity + affinity_change))
529
530
531
532
                await self.relationship_service.update_relationship(
                     user_id,
character_id,
UserCharacter_interactionUpdate(affinity=new_affinity, last_interaction=datetime.datetime.now(timezone.utc)
533
534
535
536
537
538
             sync def calculate_affinity_change(self, summary: str) -> float:
    affinity_change_str = await self.affinity_chain.arun(summary=summary)
    try:
        affinity_change = float(affinity_change_str.strip())
        return max(-5, min(5, affinity_change)) # -5 5
    except ValueError:
        return 0 #
539
540
541
542
543
545 #
```

File: /Users/kh.kim/Documents/AlChat/app/services/__init__.py

1 [binary]

File: /Users/kh.kim/Documents/AIChat/app/services/__pycache__/__init__.cpython-39.pyc

[binary]

File: /Users/kh.kim/Documents/AlChat/app/services/__pycache__/auth_service.cpython-39.pyc

[binary]

File: /Users/kh.kim/Documents/AIChat/app/services/scenario_service.py

```
# # services/scenario_service.py
   # import asyncio
# from app.models.scenario import Scenario, ScenarioProgress, ScenarioCreate, ScenarioUpdate, ScenarioStep
# from app.services.relationship_service import RelationshipService
# from datetime import datetime
# from typing import List, Optional
# from app.config import supabase_client # Supabase
    # async def db_get_scenario(scenario_id: str) -> Optional[Scenario]:
# """
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11
12
13
14
             result = await supabase_client.table('scenarios').select('*, scenario_steps(*)').eq('id', scenario_id).execute() if result.data:
15
16
              f result.data:
    scenario_data = result.data[0]
    steps = [ScenarioStep(**step) for step in scenario_data.pop('scenario_steps')]
    return Scenario(**scenario_data, steps=steps)
    ...
17
18
19
20
             return None
21
22
    # async def db_create_scenario(scenario: ScenarioCreate) -> Scenario:
23
24
25
26
             scenario_data = scenario.model_dump(exclude={'steps'})
result = await supabase_client.table('scenarios').insert(scenario_data).execute()
created_scenario = result.data[0]
27
28
29
30
             31
32
33
34
    #
35
36
             return await db_get_scenario(created_scenario['id'])
    # async def db_update_scenario(scenario_id: str, scenario_update: ScenarioUpdate) -> Scenario:
```

```
42
43
44
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51
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54
55
             update_data = scenario_update.model_dump(exclude_unset=True)
steps = update_data.pop('steps', None)
    #
             result = await supabase_client.table('scenarios').update(update_data).eq('id', scenario_id).execute()
             if steps is not None:
                 # ... await supabase_client.table('scenario_steps').delete().eq('scenario_id', scenario_id).execute() steps_data = [["scenario_id": scenario_id, "step_order": i, **step.model_dump() } for i, step in enumerate(steps)] await supabase_client.table('scenario_steps').insert(steps_data).execute()
    #
            return await db get scenario(scenario id)
    # async def db_delete_scenario(scenario_id: str) -> bool:
56
57
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59
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61
62
63
64
65
66
67
68
69
70
71
             (CASCADE ).
             result = await supabase_client.table('scenarios').delete().eq('id', scenario_id).execute()
return len(result.data) > 0
    # async def db_get_scenario_progress(user_id: str, scenario_id: str) -> Optional[ScenarioProgress]:
             """
result = await supabase_client.table('scenario_progress').select('*').eq('user_id', user_id).eq('scenario_id', scenario_id).execute()
if result.data:
    return ScenarioProgress(**result.data[0])
             return None
    # async def db_update_scenario_progress(progress: ScenarioProgress) -> ScenarioProgress:
73
74
75
76
77
78
79
80
             progress_data = progress.model_dump()
result = await supabase_client.table('scenario_progress').upsert(progress_data).execute()
return ScenarioProgress(**result.data[0])
81
82
    83
84
             return await db create scenario(scenario)
    # async def get_scenario(scenario_id: str) -> Optional[Scenario]:
# """ ID ."""
85
86
87
88
            return await db get scenario(scenario id)
    # async def update_scenario(scenario_id: str, scenario_update: ScenarioUpdate) -> Scenario:
89
90
91
92
93
94
95
96
97
98
            return await db update scenario(scenario id, scenario update)
    # async def delete_scenario(scenario_id: str) -> bool:
# """ ."""
# return await db_delete_scenario(scenario_id)
    # async def check_scenario_trigger(user_id: str, character_id: str) -> Optional[Scenario]:
99 #
100 #
101 #
             relationship_service = RelationshipService()
relationship = await relationship_service.get_interaction(user_id, character_id)
102
103 #
104
105
             result = await supabase_client.table('scenarios').select('*').eq('character_id', character_id).execute() scenarios = [Scenario(**scenario) for scenario in result.data]
106 #
107 #
108
109 #
             "async def check_scenario(scenario):
   if scenario.trigger_type == "affinity" and relationship.affinity >= scenario.trigger_value:
        return scenario
   return None
110 #
111 #
112 #
113 #
114
115 #
             checked_scenarios = await asyncio.gather(*[check_scenario(scenario) for scenario in scenarios])
triggered_scenarios = [s for s in checked_scenarios if s is not None]
116#
118#
             return triggered scenarios[0] if triggered scenarios else None
120 # async def start_scenario(user_id: str, scenario_id: str) -> ScenarioProgress:
121
122 #
123 #
124 #
125 #
             scenario = await get_scenario(scenario_id)
126 #
                   not scenario:
raise ValueError("Scenario not found")
128
             progress = ScenarioProgress(
   id=f"(user_id) (scenario_id)",
   user_id=user_id,
   scenario_id=scenario_id,
   current_step=0,
   started_at=datetime.now(),
   is_completed=False
}
130 #
131 #
132 #
133
134 #
135 #
136 #
138 #
             return await db_update_scenario_progress(progress)
140 # async def progress_scenario(user_id: str, scenario_id: str) -> ScenarioProgress:
141
142 #
143 #
144 #
145 #
146 #
             progress = await db_get_scenario_progress(user_id, scenario_id)
if not progress:
                   not progress:
raise ValueError("Scenario progress not found")
147 #
148
             scenario = await get_scenario(scenario_id)
if not scenario:
149 #
150 #
151 #
152
                   raise ValueError("Scenario not found")
             if progress.current_step < len(scenario.steps) - 1:
    progress.current_step += 1
else:</pre>
153 #
154 #
155 #
156 #
                 progress.is_completed = True
progress.completed_at = datetime.now()
159 #
160
             return await db_update_scenario_progress(progress)
160 # async def get_scenario_message(scenario_id: str, step: int) -> str:
164 #
165 #
166 #
167 #
168
             scenario = await get_scenario(scenario_id)
if not scenario or step >= len(scenario.steps
raise ValueError("Invalid scenario or ste
169 #
170
171 # #
             return scenario.steps[step].content
```

```
172 # async def get_all_scenarios_for_character(character_id: str) -> List[Scenario]:
173 # """
174 # .
175 # """
176 # result = await supabase_client.table('scenarios').select('*, scenario_steps(*)').eq('character_id', character_id).execute()
177 # scenarios = []
178 # for scenario data in result.data:
179 # steps = [ScenarioStep(*'step) for step in scenario_data.pop('scenario_steps')]
180 # scenarios.append(Scenario(**scenario_data, steps=steps))
181 # return scenarios
182
183 # async def bulk_update_scenario_progress(progresses: List[ScenarioProgress]) -> List[ScenarioProgress]:
184 # ""
185 # .
186 # ""
187 # progress_data = [progress.model_dump() for progress in progresses]
188 # result = await supabase_client.table('scenario_progress').upsert(progress_data).execute()
189 # ceturn [ScenarioProgress(**data) for data in result.data]
```

File: /Users/kh.kim/Documents/AIChat/app/services/relationship_service.py

```
import json
import os
from datetime import datetime, timezone
     from fastapi import HTTPException from supabase import Client, create_client
supabase_url = os.getenv("SUPABASE_URL")
supabase_key = os.getenv("SUPABASE_KEY")
if not supabase_url or not supabase_key;
raise ValueError("SUPABASE_URL and SUPABASE_KEY must be set in .env file")
     supabase: Client = create_client(supabase_url, supabase_key)
           ss RelationshipService:
def __init__(self):
    self.redis_client = redis_client
           async def get_interaction(self, character_id: str, user_id: str) -> UserCharacterInteractionInDB:
    # Redis
    cached_interaction = self.redis_client.get(f"interaction:{character_id}:{user_id}")
    if cached_interaction:
        return UserCharacterInteractionInDB(**json.loads(cached_interaction))
                 # Redis
response = supabase.table("user_character_interactions").select("*").eq("character_id", character_id", character_id", user_id", user_id).execute()
if response.data:
   interaction = UserCharacterInteractionInDB(**response.data[0])
                       # Redis
self.redis_client.setex(f"interaction:{character_id}:{user_id}", 3600, json.dumps(interaction.model_dump()))  # 1
                 return interaction raise HTTPException(status_code=404, detail="Interaction not found")
                nc def create_interaction(self, interaction: UserCharacterInteractionCreate) -> UserCharacterInteractionInDB:
response = supabase.table("user_character_interactions").insert(interaction.model_dump()).execute()
if response.data:
    created_interaction = UserCharacterInteractionInDB(**response.data[0])
                       # Redis_client.setex(
self.redis_client.setex(
f"interaction:{created_interaction.character_id}:{created_interaction.user_id}"
                           json.dumps(created_interaction.model_dump())
                return created_interaction
raise HTTPException(status_code=400, detail="Failed to create interaction")
          # Redis _client.setex(f"interaction:{character_id}:{user_id}", 3600, json.dumps(updated_interaction.model_dump()))
return updated_interaction
raise HTTPException(status_code=400, detail="Failed to update interaction")
          user_id,
UserCharacterInteractionUpdate
                            affinity=new_affinity,
relationship_type=new_relationship_type,
interaction_count=interaction.interaction_count + 1
                 self.redis_client.setex(f"interaction:{character_id}:{user_id}", 3600, json.dumps(updated_interaction.model_dump()))
           def get_affinity_level(self, affinity: float) -> str:
   if affinity <= -91;</pre>
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95
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99
100
                return " "
elif affinity <= -71:
                elif affinity <= -41:
                elif affinity <= -11:
                elif affinity <= 10:
                elif affinity <= 40:
                elif affinity <= 60:
                elif affinity <= 70:
                elif affinity <= 90:
return " "
104
           def get relationship type(self, affinity: float) -> RelationshipType
```

```
if affinity <= -91:
    return RelationshipType.ENEMY
elif affinity <= -51:
    return RelationshipType.RIVAL
elif affinity <= 10:
    return RelationshipType.RIVAL
elif affinity <= 10:
    return RelationshipType.STRANGER
elif affinity <= 20:
    return RelationshipType.ACQUAINTANCE
elif affinity <= 20:
    return RelationshipType.ACQUAINTANCE
elif affinity <= 30:
    return RelationshipType.COSE_FRIEND
elif affinity <= 50:
    return RelationshipType.COSE_FRIEND
elif affinity <= 50:
    return RelationshipType.LOVER
elif affinity <= 70:
    return RelationshipType.LOVER
elif affinity <= 70:
    return RelationshipType.LOVER
elif affinity <= 70:
    return RelationshipType.LOVER
elif affinity <= 10:
    return RelationshipType.LOVER
elif affinity <= 10:
    return RelationshipType.LOVER
else:
    raise ValueError("Affinity value out of bounds")

async def update custom_traits/elf, character_id: str, user_id: str, custom_traits/
updated_interaction = await self.update_interaction(
    character_id,
    user_id,
    UserCharacterInteractionUpdate(custom_traits-custom_traits)
}

# Redis
ssplr redis_client.setex(f"interaction:{character_id: str, user_id: str, conversation_history: dict):
    updated_interaction = await self.update_interaction(
    character_id,
    user_id,
    user_id,
```

File: /Users/kh.kim/Documents/AIChat/app/services/character_service.py

```
# services/character service.py
     import os
from typing import List
     from fastapi import APIRouter, HTTPException
from supabase import Client, create_client
     from app.models.character import (CharacterCreate, CharacterProfile,
     from app.models.user import UserProfile as User
 14 router = APIRouter()
     logging.basicConfig(level=logging.DEBUG
logger = logging.getLogger(__name__)
     supabase_url = os.getenv("SUPABASE_URL")
supabase_key = os.getenv("SUPABASE_KEY")
if not supabase_url or not supabase_key;
raise ValueError("SUPABASE_URL and SUPABASE_KEY must be set in .env file")
     supabase: Client = create_client(supabase_url, supabase_key)
def is_admin(user: User) -> bool:
    return user.is_admin
 26
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 30
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39
     async def create character(character: CharacterCreate, current user: User) -> CharacterProfile
          try:
    character_data = character.model_dump()
    character_data['creator_id'] = current_user_id
                # Convert LocalizedContent fields to JSON
for field in ['names', 'occupation', 'background', 'appearance_description']
                    40
41
 42
43
                 response = supabase.table("characters").insert(character data).execute()
44
45
                 if response.data:
    return CharacterProfile(**response.data[0])
                else:
raise HTTPException(status_code=400, detail="Failed to create character")
46
47
48
49
          raise HITPException as e:
logger.error(f"Error creating character: {str(e)}"
raise HTTPException(status_code=400, detail=str(e))
50
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63
64
65
66
67
68
      \begin{tabular}{lll} async \ def \ get\_character(character\_id: \ str, \ current\_user: \ User) \ -> \ CharacterProfile: \ try: \end{tabular} 
                response = supabase.table("characters").select("*").eq("id", character_id).execute()
if response data:
    character = response.data[0]
if character('creator_id') == current_user(id or is_admin(current_user)):
                             character['creator_id'] == current_user.id or is_admin(current_user):
return CharacterProfile(**character)
                      else
                             raise HTTPException(status_code=403, detail="You don't have permission to access this character")
                else:
                        raise HTTPException(status_code=404, detail="Character not found")
           except Exception as e:
logger.error(f"Error getting character: {str(e)}")
raise HTTPException(status_code=400, detail=str(e)
     async def update character(character id: str, character: CharacterUpdate, current user: User) -> CharacterProfile
                existing character = await get character(character_id, current_user)
if existing character.creator_id != current_user.id and not is_admin(current_user)
raise HTTPException(status_code=403, detail="You don't have permission to upda
update data = character.model dump(exclude unset=True
                # Convert LocalizedContent fields to JSON
for field in ['names', 'occupation', 'background', 'ap
    if field in update_data:
        update_data[field] = update_data[field].dict()
                                                                       'background', 'appearance description']:
                 response = supabase.table("characters").update(update_data).eq("id", character_id).execute() if response.data:
                     response.data:
return CharacterProfile(**response.data[0])
                else
                        . raise HTTPException(status_code=400, detail="Failed to update character")
           async def delete_character(character_id: str, current_user: User):
    try:
                :
existing_character = await get_character(character_id, current_user)
if existing_character.creator_id != current_user.id and not is_admin(current_user):
    raise HTTPException(status_code=403, detail="You don't have permission to delete this character"
                response = supabase.table("characters").delete().eq("id", character_id).execute()
                               sponse.data:
HTTPException(status_code=400, detail="Failed to delete character")
           except Exception as e
logger.error(f"Er
                 logger.error(f"Error deleting character: {str(e)}"
raise HTTPException(status_code=400, detail=str(e)
response = supabase.table("characters").select("*").or_(f"creator_id.eq.{current_user.id},is_public.eq.true").execute()
                if response data:
    return (CharacterProfile(**character) for character in response data
           return []
except Exception as e:
  logger.error(f"Error listing characters: {str(e)}'
  raise HTTPException(status_code=400, detail=str(e)
```

File: /Users/kh.kim/Documents/AIChat/requirements.txt

aiohappyeyeballs=2.3.4 aiohttp=3.10.1 aiosignal==1.3.1 annotated-types=0.7.0 anyio=4.4.0 async-timeout=4.0.3 attrs=24.1.0

```
certifi==2024.7.4
   charset-normalizer==3.3.2
click==8.1.7
 click=8.1.7
deprecation==2.1.0
distro=1.9.0
dnspython==2.6.1
email_validator==2.2.0
exceptiongroup==1.2.2
fastapi==0.111.1
fastapi-cli==0.0.5
frozenlist=1.4.1
gotrue==2.6.1
fastapi==0.111.1
gunicon==22.0.0
 fastapi=0.111.1 gunicom=22.0.0 h11=0.14.0 h12=4.1.0 hpack=4.0.0 httpcore=1.0.5 httptools=0.6.1 httpx=0.27.0 hyperframe=6.0.1 idna=3.7 Jinja2=3.1.4 isonnatch==1.33
 Jinja2=3.1.4

jsonpatch=1.33

jsonpointer=3.0.0

langchain=0.2.12

langchain-openai=0.1.20

langchain-text-splitters=0.2.2

langsmith=0.1.98

markdown-it-py=3.0.0

MarkupSafe=2.1.5

mduri=0.1.2

multidict=6.0.5
mdurl=0.1.2
multidict=0.0.5
numpy=1.26.4
openai=1.37.1
orjson=3.10.6
packaging=23.2
pinecone=4.0.0
postgrest=0.16.9
pydantic=2.8.2
pydantic_core=2.20.1
Pygments=2.18.0
python-dateutil=2.9.0.post0
python-dotenv=1.0.1
python-multipart=0.0.9
 python-dotenv=1.0.1
python-multipart=0.0.9
PyYAML=6.0.1
realtime=1.0.6
redis=5.0.7
regex=2024.7.24
    requests==2.32.3
rich==13.7.1
shellingham==1.5.4
 shellingham=1.5.4
six=1.16.0
sniffio=1.3.1
SQLAlchemy=2.0.32
starlette=0.37.2
storage3=0.7.7
StrEnum=0.4.15
supabase=2.6.0
supafune=0.5.1
tenacity=8.5.0
tiktoken=0.7.0
todm=4.66.5
    tqdm==4.66.5
typer==0.12.3
type==0.12.3
typing_extensions==4.12.2
ujson==5.10.0
urllib3==2.2.2
uvicom==0.27.1
uvloop==0.19.0
watchfiles==0.22.0
websockets==12.0
yarl==1.9.4
```

File: /Users/kh.kim/Documents/AIChat/.pytest_cache/CACHEDIR.TAG

Signature: 8a477f597d28d172789f06886806bc55 # This file is a cache directory tag created by pytest. # For information about cache directory tags, see: # https://bford.info/cachedir/spec.html

File: /Users/kh.kim/Documents/AIChat/.pytest_cache/v/cache/nodeids

[binary]

File: /Users/kh.kim/Documents/AlChat/.pytest_cache/v/cache/lastfailed

[binary]

File: /Users/kh.kim/Documents/AIChat/.pytest_cache/v/cache/stepwise

[binary]

File: /Users/kh.kim/Documents/AIChat/Dockerfile

Dockerfile FROM python:3.9-slim # 작업 디렉토리 설정 WORKDIR /app

```
# 종속성 파일 복사 및 설치
COPY requirements.txt requirements.txt
RUN pip install --no-cache-dir -r requirements.txt
# 애플리케이션 코드 복사
COPY ...
# 포트 설정 (Heroku는 기본적으로 $PORT 환경 변수를 사용)
ENV PORT=8000
# 애플리케이션 시작 명령어
CMD uvicorn app.main:app --host 0.0.0.0 --port $PORT
```

File: /Users/kh.kim/Documents/AIChat/test.html

```
ody>
<hl>Auth Service Test Page</hl>
<!-- Social Login -->
<h2>Social Login</h2>
<button id="google-login">Login with Google</button>
<button id="github-login">Login with GitHub</button>
<button id="github-login">Login with GitHub</button>
<button id="facebook-login">Login with Facebook</button>
                      <!-- Logout Button -->
<h2>Logout</h2>
<button id="logout-button">Logout</button>
                     <!-- Profile Form -->
<h2>Profile</h2>
<form id="profile-form">
<input type="text" id="profile-username" placeholder="Username" required:
<input type="text" id="profile-email" placeholder="Email">
<button type="submit">Update Profile</button>

                       </form>
<br/>
                                 const apiUrl = 'http://localhost:8000'; // Update with your API base URL let token = localStorage.getItem('token') || ''';
                                  document.getElementById('register-form').addEventListener('submit', async (event) => {
    event.preventDefault();
    const email = document.getElementById('register-email').value;
    const password = document.getElementById('register-password').value;
    const nickname = document.getElementById('register-nickname').value;
    const response = await fetch('$(apiUrl)/register', {
        method: 'POST',
    }
}
                                                      method: 'roo!',
headers: (
    'Content-Type': 'application/json'
                                                           body: JSON.stringify({ email, password, nickname })
                                               ));
const data = await response.json();
document.getElementById('output').innerText = JSON.stringify(data, null, 2);
                                 document.getElementById('login-form').addEventListener('submit', async (event) => {
    event.preventDefault();
    const email = document.getElementById('login-email').value;
    const password = document.getElementById('login-password').value;
    const response = await fetch('$(apiUrl)/login', {
        method: 'POST',
        headers';
                                                         method: 'PUS1',
headers: (
    'Content-Type': 'application/json'
                                                body: JSON.stringify({ email, password })
                                              ));
const data = await response.json();
if (response.ok) (
    token = data.access_token;
    localStorage.setItem('token', token);
                                              document.getElementById('output').innerText = JSON.stringify(data, null, 2);
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100
                                  nst data = await response.json();
                                                toxen = '';
localStorage.removeItem('token');
document.getElementById('output').innerText = JSON.stringify(data, null, 2);
                                103
104
106
109
```

```
'Content-Type': 'application/json'
'Authorization': `Bearer ${token}`
                                                                  body: JSON.stringify({ username, email })
                                                   const data = await response.json();
document.getElementById('output').innerText = JSON.stringify(data, null, 2);
                                     document.getElementById('get-profile-button').addEventListener('click', async () => {
   console.log("Sending GET request to /profile", 'Bearer %{token}');
   const response = await fetch('%{apiUrl}/profile', {
        method: 'GET',
                                                                 method: 'GET',
headers: (
'Authorization': `Bearer $(token)
                                                 const data = await response.json();
document.getElementById('output').innerText = JSON.stringify(data, null, 2);
                                    \label{localization} \begin{split} & \text{document.getElementById('google-login').addEventListener('click', async () \Rightarrow \{localStorage.setItem('orlginal_url', window.location.href);} \\ & \text{const response} = await fetch('\overline{S}|apiUrl|/social-login/google', (method: 'POST', headers: | 'Content-Type': 'application/json' | 'Content-Type': 'application' | 'Content-Type': 'Content-Type': 'Content-Type': 'Content-Type': 'Content-Type' | 'Content-Type': 'Content-Type': 'Content-Type' | 'Content-Type': 'Content-Type' | 'Content-Type' |
                                                   ));
const data = await response.json();
if (data.url) (
    window.location.href = data.url;
) else (
                                                                  document.getElementById('output').innerText = JSON.stringify(data, null, 2);
                                    ));
const data = await response.json();
if (data.url) (
    window.location.href = data.url;
) else (
                                                                  document.getElementById('output').innerText = JSON.stringify(data, null, 2);
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                                    170
171
                                                   const data = await response.json();
if (data.url) {
    window.location.href = data.url;
} else {
174
                                                                  document.getElementById('output').innerText = JSON.stringify(data, null, 2);
176
```

File: /Users/kh.kim/Documents/AIChat/requirements-dev.txt

```
-r requirements.txt
awsebcli==3.20.10
eb==0.1.5
b2==4.1.0
importlib-resources==6.4.0
jaraco.text==3.12.1
keyring==24.3.1
ordered-set==4.1.0
pip-chill==1.0.3
pipreqs==0.5.0
rapidfuzz==3.9.4
tomli==2.0.1
```

File: /Users/kh.kim/Documents/AIChat/.env

```
SUPABASE_URL=https://ufcesffieoelerxmgekv.supabase.co
SUPABASE_KEY=eyJhbGciOiJIUzl1NiIsInR5cCl6lkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSIsInJIZil6lnVmY2VzZmZpZW9lbGVyeG1nZWt2liwicm9sZSI6ImFub24iLCJpYXQiOjE3MjAxODA2M:
Mk-uTDUmgW4KEVSU
SUPABASE_TEST_KEY=eyJhbGciOiJIUzl1NiIsInR5cCl6lkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSIsInJIZil6lnNmZ3dybnBweWtqZnN3Y2VqbWtvIiwicm9sZSI6ImFub24iLCJpYXQiOjE3MjMwM
TESTING=True
PINECONE_API_KEY=c0ebd048-48f1-47b5-ae28-dcb89ef1f8b5
PINECONE_ENVIRONMENT=us-cast-1
PINECONE_INDEX_NAME=ai-dating-simulator
OPENAI_API_KEY=sk-proj-IM3W5QMEkH9vHMWfaa1ET3BlbkFJU4BUmhw53qQRFjrdkJ2x
UPSTASH_REDIS_REST_TOKEN=AaFXAQIncDFhYTM5OTkzMjg3YzM0ZjYyYTg0ZTg3MzQ4ZThmZDEyOXAxNDEzMDM
UPSTASH_REDIS_REST_URL=https://cool-toad-41303.upstash.io
UPSTASH_REDIS_URL=rediss://:AaFXAQIncDFhYTM5OTkzMjg3YzM0ZjYyYTg0ZTg3MzQ4ZThmZDEyOXAxNDEzMDM@cool-toad-41303.upstash.io:6379
```

File: /Users/kh.kim/Documents/AIChat/.code2pdf

```
- .vscode
- static
- tests
- venv
- .venv
- .git
:files:
- .env.example
- .gitignore
```

·directories

- README.md test_redis_connection.py test.html.code2pdf.yaml

File: /Users/kh.kim/Documents/AIChat/Procfile

web: uvicorn app.main:app --host 0.0.0.0 --port \$PORT