

News		
id		UUID
title	varchar(64)	NN
subject	varchar(64)	NN
link	varchar(120)	NN

Market		
id		UUID
snp500	numeric	NN
date	date	NN

Role		
user_id		UUID NN
role_type	role_enum	E NN

User		
id		UUID
email	varchar(64)	NN
password	varchar(255)	NN
firebase_uid	varchar(128)	

Enrollment		
id		UUID
user_id		UUID NN
course_id		UUID NN
enrolled_at	timestamp	NN

Report		
id		UUID
course_id		UUID NN
summary	jsonb	NN
created_at	timestamp	NN

StudentProfile		
user_id		UUID NN
name	text	NN
onboard_answers	jsonb	NN
want_quizzes	boolean	NN
model_preference	varchar(64)	

AdminProfile		
user_id		UUID NN
name	text	NN

InstructorProfile		
user_id		UUID NN
name	text	NN
university	varchar(128)	

Course		
id		UUID
title	varchar(128)	NN
description	text	
code	varchar(20)	
term	varchar(30)	
published	boolean	NN
last_updated	timestamp	NN
created_at	timestamp	NN
index_pkl	bytea	
index_faiss	bytea	
instructor_id		UUID NN

AccessCode		
id		UUID
code	varchar(32)	NN
course_id		UUID NN
created_at	timestamp	NN

Message		
id		UUID
chat_id		UUID NN
role	varchar	NN
content	text	NN
created_at	timestamp	NN

Chat		
id		UUID
user_id		UUID NN
file_id		UUID
title	text	NN
created_at	timestamp	NN

FileChunk		
id		UUID
content	text	NN
embedding	vector(1536)	NN
file_id		UUID NN
course_id		UUID NN
chunk_index	integer	NN

Module		
id		UUID
course_id		UUID NN
title	varchar(128)	NN
ordering	integer	NN

PersonalizedFile		
id		UUID
user_id		UUID NN
original_file_id		UUID
content	jsonb	NN
created_at	timestamp	NN

File		
id		UUID
module_id		UUID NN
title	varchar(128)	NN
filename	varchar	NN
file_type	varchar	NN
file_size	integer	NN
file_data	bytea	NN
transcription	text	
created_at	timestamp	NN
index_pkl	bytea	
index_faiss	bytea	
ordering	integer	NN
view_count_raw	integer	NN
view_count_personalized	integer	NN
chat_count	integer	NN

News		
id		UUID
title	varchar(64)	NN
subject	varchar(64)	NN
link	varchar(120)	NN

Market		
id		UUID
snp500	numeric	NN
date	date	NN

Role		
user_id		UUID NN
role_type	role_enum	E NN

User		
id		UUID
email	varchar(64)	NN
password	varchar(255)	NN
firebase_uid	varchar(128)	

Enrollment		
id		UUID
user_id	UUID	NN
course_id	UUID	NN
enrolled_at	timestamp	NN

Report		
id		UUID
course_id	UUID	NN
summary	jsonb	NN
created_at	timestamp	NN

StudentProfile		
user_id		UUID NN
name	text	NN
onboard_answers	jsonb	NN
want_quizzes	boolean	NN
model_preference	varchar(64)	

AdminProfile		
user_id		UUID NN
name	text	NN

InstructorProfile		
user_id		UUID NN
name	text	NN
university	varchar(128)	

Course		
id		UUID
title	varchar(128)	NN
description	text	
code	varchar(20)	
term	varchar(30)	
published	boolean	NN
last_updated	timestamp	NN
created_at	timestamp	NN
index_pkl	bytea	
index_faiss	bytea	
instructor_id	UUID	NN

AccessCode		
id		UUID
code	varchar(32)	NN
course_id	UUID	NN
created_at	timestamp	NN

Message		
id		UUID
chat_id	UUID	NN
role	varchar	NN
content	text	NN
created_at	timestamp	NN

Chat		
id		UUID
user_id	UUID	NN
file_id	UUID	
title	text	NN
created_at	timestamp	NN

FileChunk		
id		UUID
content	text	NN
embedding	vector(1536)	NN
file_id	UUID	NN
course_id	UUID	NN
chunk_index	integer	NN

Module		
id		UUID
course_id	UUID	NN
title	varchar(128)	NN
ordering	integer	NN

PersonalizedFile		
id		UUID
user_id	UUID	NN
original_file_id	UUID	
content	jsonb	NN
created_at	timestamp	NN

File		
id		UUID
module_id	UUID	NN
title	varchar(128)	NN
filename	varchar	NN
file_type	varchar	NN
file_size	integer	NN
file_data	bytea	NN
transcription	text	
created_at	timestamp	NN
index_pkl	bytea	
index_faiss	bytea	
ordering	integer	NN
view_count_raw	integer	NN
view_count_personalized	integer	NN
chat_count	integer	NN

```
Enum role_enum {  
  admin  
  instructor  
  student  
}
```