

Journey master

database analysis I

WHAT

- Playing the journeys
- Planning the journeys

HOW

- Two separate interfaces
 - Administration
 - Web-based game interface

WHO

- Players
- Moderators
- D&D enthusiasts

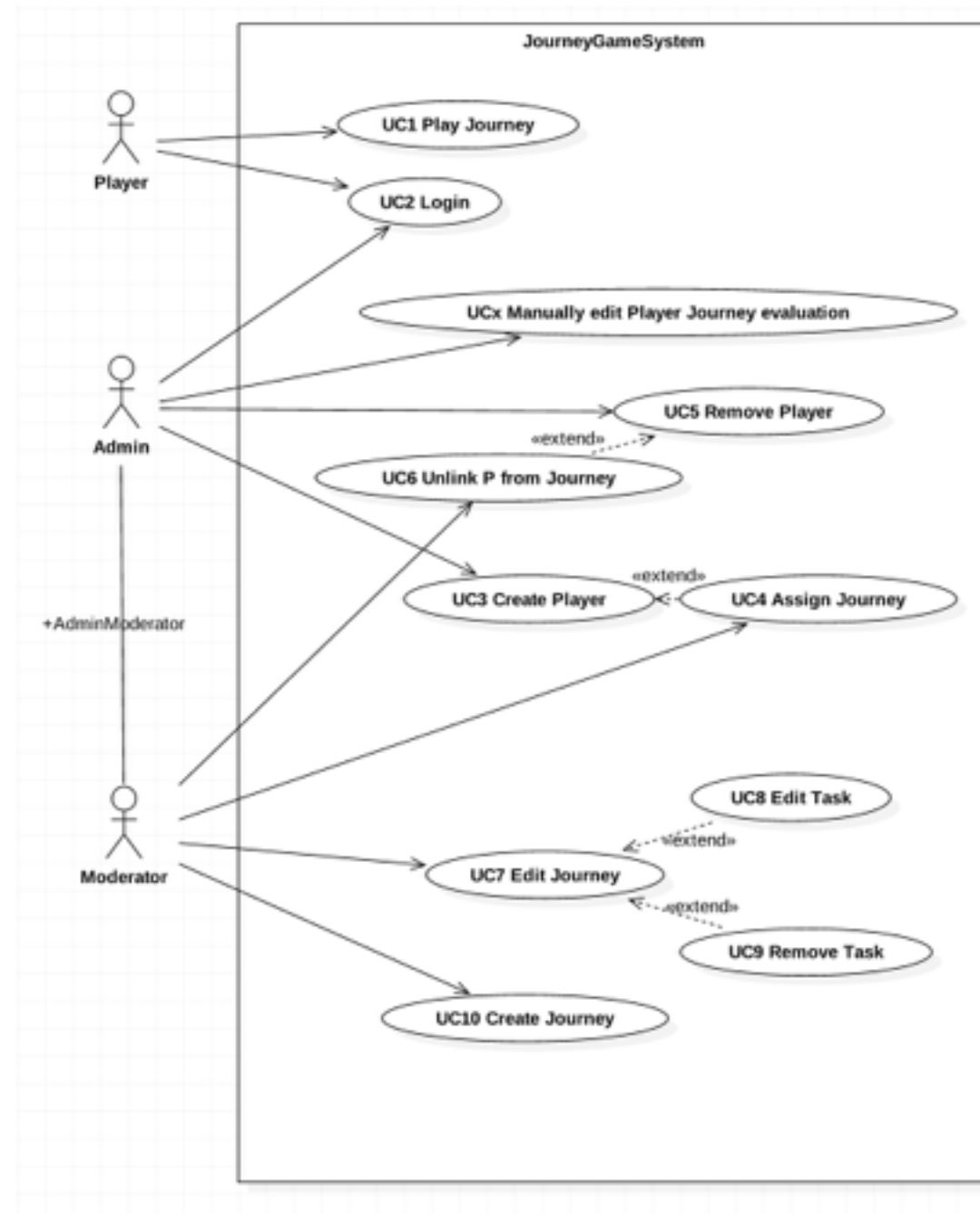
WHEN

- Weekly games
- Longer quests

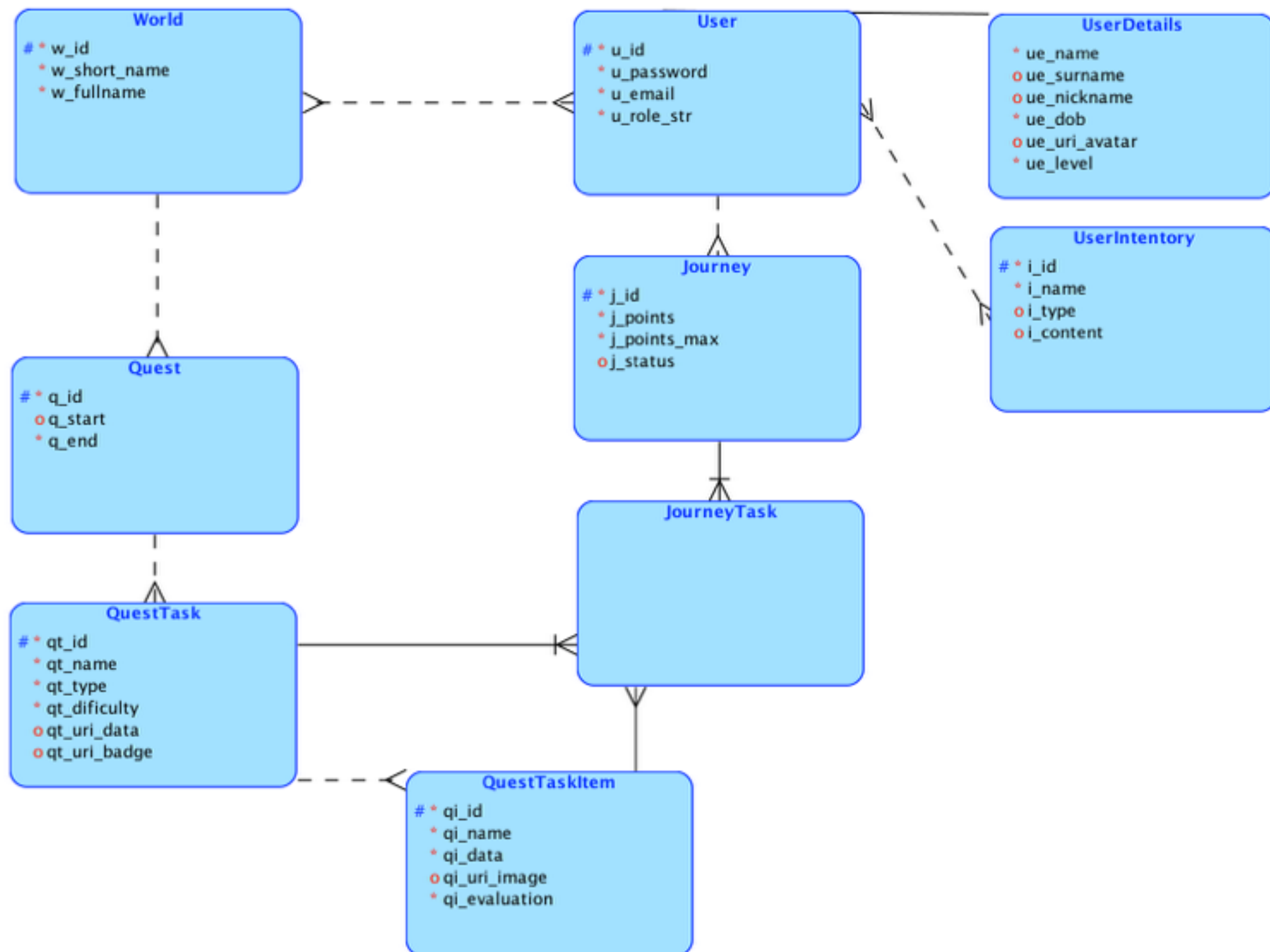
FUNCTIONAL REQUIREMENTS and EVENTS

- **From players point of view**
 - ability to play journey
 - ability to see points and achievements
- **From moderator point of view**
 - Create, edit, delete quest with quest tasks
 - Ability to assign, remove players from particular quest
 - Ability to list finished journeys for each world, player
- **From admin point of view**
 - create, delete players
 - promote moderators

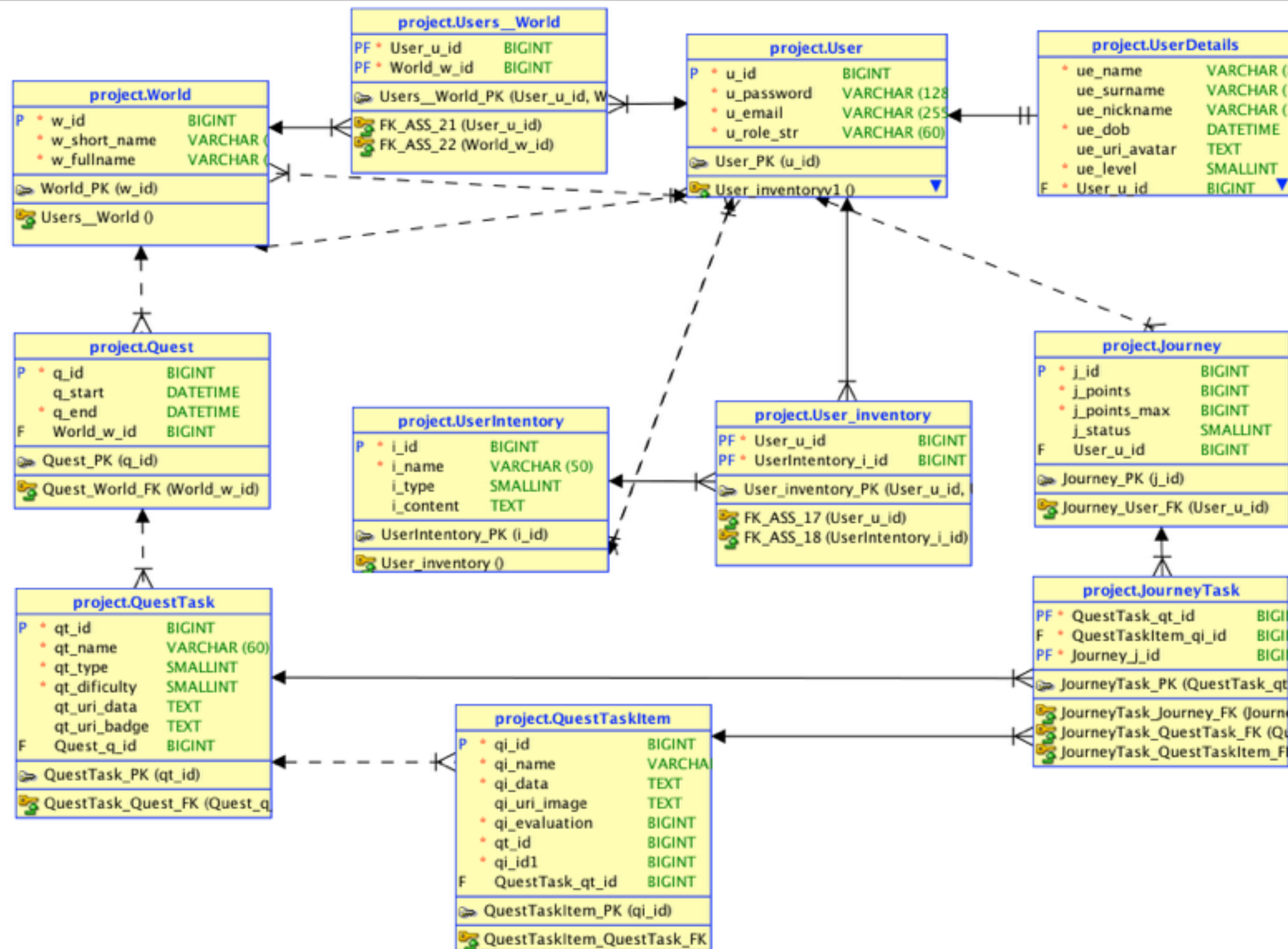
USE CASE DIAGRAM



CONCEPTUAL MODEL



RELATIONAL MODEL



DATA REQUIREMENTS

User		
attribute ▼	type ▼	size ▼
u_id	int	4B
u_email	varchar(255)	512B
u_role_str	varchar(60)	122B
u_password	varchar(128)	158B
UserDetails		
attribute ▼	type ▼	size ▼
u_id	int	4B
ue_name	varchar(80)	162B
ue_surname	varchar(100)	202B
ue_nickname	varchar(30)	62B
ue_dob	DateTime	8B
ue_level	smallint	1B
ue_uri_avatar	text	~300B

1 user takes ~**1500B** of space

DATA REQUIREMENTS

Quest			QuestTask		
attribute	type	size	attribute	type	size
q_id	int	4B	qt_id	int	4B
q_start	DateTime	8B	qt_name	varchar(60)	122B
q_end	DateTime	8B	qt_type	smallint	1B
			qt_difficulty	smallint	1B
QuestTaskItem			qt_uri_data	text	~300B
attribute	type	size	qt_uri_badge	text	~300B
qi_id	int	4B	q_id	int	4B
qi_name	varchar(60)	122B			
qi_data	text	~300B			
qi_uri_image	text	~300B			
qi_evaluation	int	4B			
qt_id	int	4B			

Quest with 50 task and 4 items for each task takes **~183.5kB**

DATA REQUIREMENTS

JourneyTask			Journey		
attribute ▼	type ▼	size ▼	attribute ▼	type ▼	size ▼
qt_id	int	4B	j_id	int	4B
qi_id	int	4B	j_points	double	16B
j_id	int	4B	j_points_ma	double	16B
			j_status	smallint	1B
			u_id	int	4B

Journey completed by player with 20 tasks takes **~281B**