

Table: Account			
Column	Data type	Constraints	
Username ID	NUMERIC	<ul style="list-style-type: none"> REFERENCES "Student Profile" NOT NULL 	
Username	NVARCHAR	<ul style="list-style-type: none"> NOT NULL REFERENCES "Student Profile" (Username) ON DELETE CASCADE ON UPDATE CASCADE 	
Password	STRING	<ul style="list-style-type: none"> REFERENCES "Student Profile" (Password) ON DELETE CASCADE ON UPDATE CASCADE NOT NULL CHECK (length(password) <= 8) 	
Global table constraints			
<ul style="list-style-type: none"> UNIQUE ("Username ID", Username, Password) ON CONFLICT IGNORE 			

Table: Achievements		
Column	Data type	Constraints
Assessment Score	NUMERIC	

Table: Answer		
Column	Data type	Constraints
Answer	NVARCHAR	
Flag	BOOLEAN	

Table: Assessment		
Column	Data type	Constraints
Assessment Type	STRING	
Assessment Items	NUMERIC	
HealthStatus	INTEGER	
Reward Points	INTEGER	

Table: Avatar		
Column	Data type	Constraints
Outfit	BLOB	
Skin Color	BLOB	
Hair Type	BLOB	

Body Type	BLOB	
Gender	BLOB	
Accessories	BLOB	
Aura Type	BLOB	
Shoes Type	BLOB	
Eyes Type	BLOB	
Nose Type	BLOB	
Lips Type	BLOB	
Avatar ID	NUMERIC	<ul style="list-style-type: none"> •PRIMARY KEY •UNIQUE

Table: Avatar Outfit		
Column	Data type	Constraints
Girl Outfit	BLOB	•REFERENCES Avatar (Outfit)
Boy Outfit	BLOB	•REFERENCES Avatar (Outfit)
Accessories	BLOB	•REFERENCES Avatar (Accessories)

Table: Bisaya Terms		
Column	Data type	Constraints
Terms	STRING	
Definition	TEXT	

Table: Health Potions		
Column	Data type	Constraints
Health Level	NUMERIC	•REFERENCES "Health Status" ("Health Level") ON UPDATE CASCADE

Table: Health Status		
Column	Data type	Constraints
Health Level	NUMERIC	•DEFAULT (100)

Table: Lesson		
Column	Data type	Constraints
Lesson ID	STRING	<ul style="list-style-type: none"> •PRIMARY KEY •UNIQUE •NOT NULL

Lesson Title	STRING	
Lesson Number	NUMERIC	
Lesson Content	TEXT	

Table: Progress		
Column	Data type	Constraints
Username	STRING	•REFERENCES "Student Profile" (Username)
Topics Taken	STRING	
Last Taken	DATE	
Reward Points	NUMERIC	
Health Status	STRING	
Achievements	NUMERIC	

Table: Reward Points		
Column	Data type	Constraints
Reward Points	NUMERIC	

Table: Student Profile		
Column	Data type	Constraints
Last Name	STRING	•NOT NULL
Middle Name	STRING	•DEFAULT NULL
First Name	STRING	•NOT NULL
Age	NUMERIC	•NOT NULL
Birthday	DATETIME	•NOT NULL
GradeLevel	NUMERIC	•NOT NULL •CHECK (1 <= GradeLevel <= 3)
Username ID	STRING	•PRIMARY KEY •UNIQUE ON CONFLICT REPLACE •NOT NULL
Username	NVARCHAR	•NOT NULL •UNIQUE ON CONFLICT ROLLBACK
Password	NVARCHAR	•NOT NULL •CHECK (length(password) <= 8) •UNIQUE ON CONFLICT ROLLBACK
Global table constraints		
•UNIQUE ("Username ID", Username, Password) ON CONFLICT IGNORE		

Table: Tiangge		
Column	Data type	Constraints
Reward Points	NUMERIC	
Outfit Section	STRING	
Health Section	STRING	

Table: Topic			
Column	Data type	Constraints	
Lesson ID	STRING	•REFERENCES Lesson ("Lesson ID") ON DELETE CASCADE ON UPDATE CASCADE	
Topic ID	STRING	•PRIMARY KEY •UNIQUE •NOT NULL	
Topic Title	STRING	•NOT NULL	
Topic Number	NUMERIC	•NOT NULL	
Topic Content	TEXT		
Last Accessed	DATETIME		

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