

## Data sample

### TIPE App – Updated Data Sample: UserAccount Table

#### 1. Password Requirements

As shown in the UI design, the following rules apply to all account passwords (except for student users who do not require login credentials):

- Be at least 8 characters long
- Include at least one uppercase letter (A–Z)
- Include at least one lowercase letter (a–z)
- Include at least one number (0–9)
- Include at least one special character (e.g., !@)
- Not match your previous password

#### 2. UserAccount Table Structure

Field Name	Data Type	Example	Description
<b>user_id</b>	String	U1	Unique user identifier (UUID or fixed pattern)
<b>name</b>	String	John Smith	Full name of the user
<b>avatar_url</b>	String	/avatars/john.png	Profile picture path or URL
<b>role</b>	Enum	Teacher	User type: Teacher, Principal, Administrator, Student
<b>email</b>	String or null	<a href="mailto:johnsmith@example.com">johnsmith@example.com</a>	Only for Teacher/Principal/Administrator
<b>password</b>	String or null	TCH#2025!	Only for Teacher/Principal/Administrator
<b>age</b>	Integer	28	Age of the user

#### 3. Sample Data

user_id	name	avatar_url	role	email	password	age

U1	John Smith	/avatars/johnsmith.png	Teacher	<a href="mailto:johnsmith@example.com">johnsmith@example.com</a>	Math@2024!	28
U2	Emily Chen	/avatars/emilychen.png	Teacher	<a href="mailto:emily.chen@example.com">emily.chen@example.com</a>	Latin@2024	35
U3	Micheal Lee	/avatars/michaellee.png	Administrator	<a href="mailto:michael.lee@admin.com">michael.lee@admin.com</a>	Admin!2024	42
U4	Tracy Brown	/avatars/tracybrown.png	Principal	<a href="mailto:tracy.brown@principal.com">tracy.brown@principal.com</a>	Lead@2025	53
U5	Alice Brown	/avatars/alicebrown.png	Student			15
U6	Emma Jones	/avatars/emmajones.png	Student			9
U7	David Lee	/avatars/davidlee.png	Student			8
U8	Ben Johnson	/avatars/benjohnson.png	Student			11

## 4. Additional Data Tables

The following tables support core system functions such as grade-class structures, teaching assignments, student enrollment, and readiness submissions.

### 4.1 GradeClass Table

class_id	grade	class_name
C1	Grade 5	Class A
C2	Grade 5	Class B
C3	Grade 5	Class C
C4	Grade 5	Class D
C5	Grade 5	Class E

#### 4.2 Subject Table

subject_id	subject_name
S1	Math
S2	Science
S3	English

#### 4.3 TeachingAssignment Table

assignment_id	teacher_id	subject_id	class_id
T1	U1	S1	C1
T2	U1	S1	C2
T3	U2	S2	C3
T4	U2	S2	C4
T5	U1	S3	C5

#### 4.4 Enrollment Table

enrollment_id	student_id	class_id
E1	U5	C1
E2	U6	C1
E3	U7	C2
E4	U8	C3

#### 4.5 ReadinessSubmission Table

submission_id	student_id	subject_id	class_id	score	date
R1	U5	S1	C1	3	2025-05-27
R2	U6	S1	C1	2	2025-05-27
R3	U7	S1	C2	4	2025-05-27
R4	U8	S2	C3	5	2025-05-27

Grade Class Table Structure:

Field Name	Data Type	Description
<b>class_id</b>	String	Unique identifier for the class (e.g., 'C1')
<b>grade</b>	String	Grade level name (e.g., 'Grade 5')
<b>class_name</b>	String	Descriptive name of the class (e.g., 'Class A')

Subject Table Structure:

Field Name	Data Type	Description
<b>subject_id</b>	String	Unique identifier for the subject (e.g., 'S1')
<b>subject_name</b>	String	Name of the subject (e.g., 'Math')

Teaching Assignment Table Structure:

Field Name	Data Type	Description
<b>assignment_id</b>	String	Unique identifier for the assignment record
<b>teacher_id</b>	String	ID of the teacher assigned to teach
<b>subject_id</b>	String	Subject being taught
<b>class_id</b>	String	Class to which the subject is being taught

Enrollment Table Structure:

Field Name	Data Type	Description
<b>enrollment_id</b>	String	Unique identifier for the enrollment record
<b>student_id</b>	String	ID of the enrolled student
<b>class_id</b>	String	Class the student is enrolled in

Readiness Submission Table Structure:

Field Name	Data Type	Description
<b>submission_id</b>	String	Unique identifier for the submission
<b>student_id</b>	String	ID of the student submitting the score
<b>subject_id</b>	String	Subject being evaluated
<b>class_id</b>	String	Class where the score is submitted
<b>score</b>	Integer	Score from 1-3 or 1-5 depending on student age
<b>date</b>	Date	Submission date (e.g., '2025-05-27')