ASSUMPTIONS

- a platform can have any number of sessions
- a session belong to exactly one platform
- a prompt belong to exactly one session
- an administrative comment is associated with exactly one prompt and one administrator
- a connection refer to exactly two different users
- an application belong to exactly one platform
- an administrator can process any number of applications
- an applications can just be attached with at most one session after being approved
- a session can just attached with at most one approved application
- an administrator is in at least one employment and work in any number of platforms
- a platform can refer to any number of employment
- a prompt can have any number of risk types associated with it through the Prompt_Risks junction table
- a user can have any number of affiliations, and an affiliation can be associated with any number of users, linked through the User_Affiliations junction table
- an user can be at most one administrator
- To uniquely identify these entities and facilitate indexing, these entities has been added their own attributes: Employments, Platforms, Applications, Sessions, Runtime, Users, Administrative_Reviews, Prompts, User_Affiliations, Connections, Risk_Types, Affiliations, Prompt_Risks

This is an Entity-Relationship (ER) diagram containing the following entities, relationships, and attributes:

Administrators (entity) with attributes: staff ID, address, first_name, user_account, last_name

are reviewed by (relationship) with attributes: date_time, Comment

work in (relationship) with attributes: starting_date, ending_date, complete_required_training_?

Prompts (entity) with attributes: PromptID, prompt_parameters, potential risks (spam_flag, fake_news_flag, restricted_content_flag, illegal_content_flag), prompt_text, result, date_time

processed by (relationship)

Applications (entity) with attributes: Application ID, text_field, Status, is_manually-approved

who are (relationship)

send (relationship)

attached with (relationship)

belong to (relationship)

write (relationship)

belong to (relationship)

Users (entity) with attributes: user_id, first_name, last_name, email address, phone_number, payment_token, affiliations, total_warning_number, payment_method, Connection_number

create (relationship)

Sessions (entity) with attributes: SessionID, description, technical_note, region, application_required_flag, version_string, cost accumulated, cost_hours, cost_per_hour, start date, end date

belong to (relationship)

Platforms (entity) with attributes: platform-id, technology_partner, vendor, name

are in (relationship)

associate with (relationship)

Connections (entity) with attributes: ConnectionID, start_date, description

Runtime (entity) with attributes: Runtime ID, runtime_parameters, maximum_prompt_count, processor_type, description

Administrative_Reviews
- 🔑 review_id INT
- 📍 prompt_id INT
- 📍 staff_id INT
- 🔷 comment TEXT
- 🔷 date_time DATETIME

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Administrators
- 🔑 staff_id INT
- 🔷 first_name VARCHAR(50)
- 🔷 last_name VARCHAR(50)
- 🔷 address VARCHAR(200)
- ◇ user_account (user_id) INT

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Employments
- 🔑 employment_id INT
- 📍 staff_id INT
- 📍 platform_id INT
- 🔷 starting_date DATE
- 🔷 ending_date DATE
- 🔷 complete_required_training TINYINT

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Prompts
- 🔑 prompt_id INT
- 📍 session_id INT
- 🔷 date_time DATETIME
- 🔷 prompt_text TEXT
- 🔷 prompt_parameters TEXT
- 🔷 result LONGTEXT
- 📍 user_id INT

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Applications
- 🔑 application_id INT
- 📍 user_id INT
- 📍 platform_id INT
- 📍 staff_id INT
- 🔷 text_field TEXT
- 🔷 status ENUM(...)
- 🔷 is_manually_approved TINYINT

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Platforms
- 🔑 platform_id INT
- 🔷 name VARCHAR(100)
- 🔷 vendor VARCHAR(100)
- 🔷 technology_partner VARCHAR(100)

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Prompt_Risks
- 🔑 prompt_risk_id INT
- 📍 prompt_id INT
- 📍 risk_type_id INT

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Risk_Types
- 🔑 risk_type_id INT
- 📍 risk_name VARCHAR(50)
- ◇ description VARCHAR(255)

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Affiliations
- 🔑 affiliation_id INT
- 🔷 affiliation_name VARCHAR(100)

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Users
- 🔑 user_id INT
- 🔷 first_name VARCHAR(50)
- 🔷 last_name VARCHAR(50)
- 🔷 email_address VARCHAR(100)
- 🔷 phone_number VARCHAR(20)
- 🔷 payment_token CHAR(36)
- 🔷 payment_method ENUM(...)
- 🔷 total_warning_number TINYINT
- 🔷 connection_number TINYINT

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Sessions
- 🔑 session_id INT
- 📍 user_id INT
- 📍 platform_id INT
- 🔷 version_string VARCHAR(50)
- 🔷 cost_hours DECIMAL(10,1)
- 🔷 cost_per_hour DECIMAL(10,2)
- 🔷 description TEXT
- 🔷 region VARCHAR(50)
- 🔷 start_datetime DATETIME
- 🔷 end_datetime DATETIME
- 🔷 technical_note TEXT
- 🔷 application_required_flag TINYINT
- ◇ Applications_application_id INT

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Runtime
- 🔑 runtime_id INT
- 📍 session_id INT
- 🔷 processor_type VARCHAR(50)
- 🔷 description VARCHAR(500)
- 🔷 runtime_parameters VARCHAR(500)
- 🔷 maximum_prompt_count INT

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User_Affiliations
- 🔑 user_affiliation_id INT
- 📍 user_id INT
- 📍 affiliation_id INT

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Connections
- 🔑 connection_id INT
- 📍 user1_id INT
- 📍 user2_id INT
- 🔷 start_date DATE
- 🔷 description TEXT

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Relationship labels:
- are generated by
- refer to
- is processed by
- belong to
- attach with
- who are also
- belong to
- are sent by
- written by
- attach with
- attach with
- refer to
- attach with
- are created by
- belong to
- is associated with
- refer to
- attach with
- refer to