Techno-Firmo Intelligence Platform

TEAM MEMBERS

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Drive Link:

https://northeastern-my.sharepoint.com/:b:/r/personal/agarwal_shubh_northeastern_edu/Documents/DAMG_6210_Project_Group_4/P3_Database_Design_Final_ERD_Project_Group_4.pdf?csf=1&web=1&e=EtVUGH

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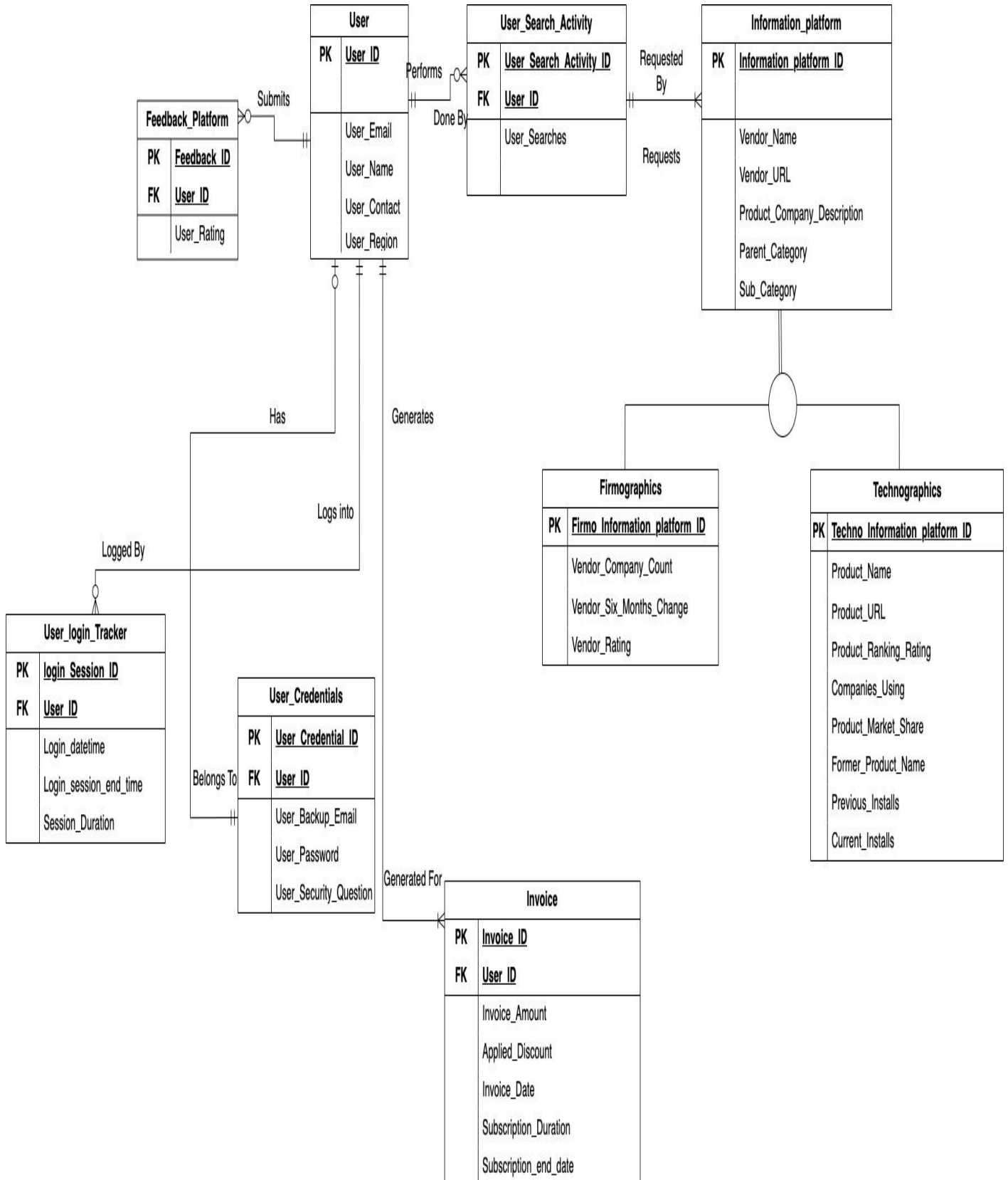
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Improved - EER-Diagram:

Techno-Firmo Intelligence Platform

User

PK	User_ID
	User_Email
	User_Name
	User_Contact
	User_Region

User_Search_Activity

PK	User_Search_Activity_ID
FK	User_ID
	User_Searches

Information_platform

PK	Information_platform_ID
	Vendor_Name
	Vendor_URL
	Product_Company_Description
	Parent_Category
	Sub_Category

Feedback_Platform

PK	Feedback_ID
FK	User_ID
	User_Rating

Firmographics

PK	Firmo_Information_platform_ID
	Vendor_Company_Count
	Vendor_Six_Months_Change
	Vendor_Rating

Technographics

PK	Techno_Information_platform_ID
	Product_Name
	Product_URL
	Product_Ranking_Rating
	Companies_Using
	Product_Market_Share
	Former_Product_Name
	Previous_Installs
	Current_Installs

User_login_Tracker

PK	login_Session_ID
FK	User_ID
	Login_datetime
	Login_session_end_time
	Session_Duration

User_Credentials

PK	User_Credential_ID
FK	User_ID
	User_Backup_Email
	User_Password
	User_Security_Question

Invoice

PK	Invoice_ID
FK	User_ID
	Invoice_Amount
	Applied_Discount
	Invoice_Date
	Subscription_Duration
	Subscription_end_date

Relationship labels: Submits, Performs, Done By, Requested By, Requests, Has, Generates, Logs into, Logged By, Belongs To, Generated For

Summary of Changes:

The final EER diagram has been improved based on the feedback of the Initial Er-Diagram.

1. The users have been consolidated, from paid users and guest users into users.
2. The primary keys are in alignment to the entity type names.
3. Pending attributes have been added.
4. Referential Integrity is thoroughly defined.
5. Entity type names have been improved.
6. EER-diagram has been thoroughly checked for any existence of multi valued attributes, composite attributes, or for any many-to-many relationships.
7. Improved and updated attributes are shared below.

Improved - Attributes:

1. User:
- a. User_ID
- b. User_Name
- c. User_Email
- d. User_Contact
- e. User_Region

2. User_Search_Activity:
- a. User_Search_Activity_ID
- b. User Searches

3. Information_platform:
- a. Information_Platform_ID
- b. Vendor_Name
- c. Vendor_URL
- d. Product_Company_Description
- e. Parent_Category
- f. Sub_Category

4.. Firmographics:
- a. Firmo_Information_Platform_ID
- b. Vendor_Company_Count
- c. Vendor_Six_Months_Change
- d. Vendor_Rating

5. Technographics:
- a. techno_Information_Platform_ID
- b. Product_Name
- c. Product_URL
- d. Product_Ranking_Rating
- e. Companies_Using
- f. Product_Market_Share
- g. Former_Product_Name
- h. Previous_Installs
- i. Current_Installs

6. Feedback_Platform:
- a. Feedback_ID
- b. User_Rating

7. User_Credentials:
 a. User_Credential_ID
 b. User_Backup_Email
 c. User_Password
 d. User_Security_Question

8. User_Login_Tracker:
 a. Login_Session_ID
 b. Login_datetime
 c. Login_session_end_time
 d. Session_Duration

9. Invoice:
 a. Invoice_ID
 b. Invoice_Amount
 c. Applied_Descount
 d. Invoice_Date
 e. Subscription_Duration
 f. Subscription_end_date