**VILNIUS UNIVERSITY**

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**Description of Entity Relationship Diagram**

Documentation

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**File description**

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**Entity Relationship Diagram Description**

A diagram of a computer

Description automatically generated

This Entity Relationship Diagram (ERD) depicts an online forum system. The "User" entity holds authentication details, connected to a "User Profile" entity capturing additional user information. "Threads" represent discussion topics, related to "Posts" in a one-to-many setup. Posts contain details like PostID, Title, Content, Date Posted, and a UserID linking to the post creator. "Comments" connect users to posts, with CommentID, Content, Date Posted, UserID, and PostID. "Chat Messages" facilitate private communication, with attributes like MessageID, Content, Date Sent, and foreign keys UserID and ReceiverID linking to user details. This concise ERD encapsulates the core entities and their relationships in the online forum.