CS2300 Database Project Phase 3

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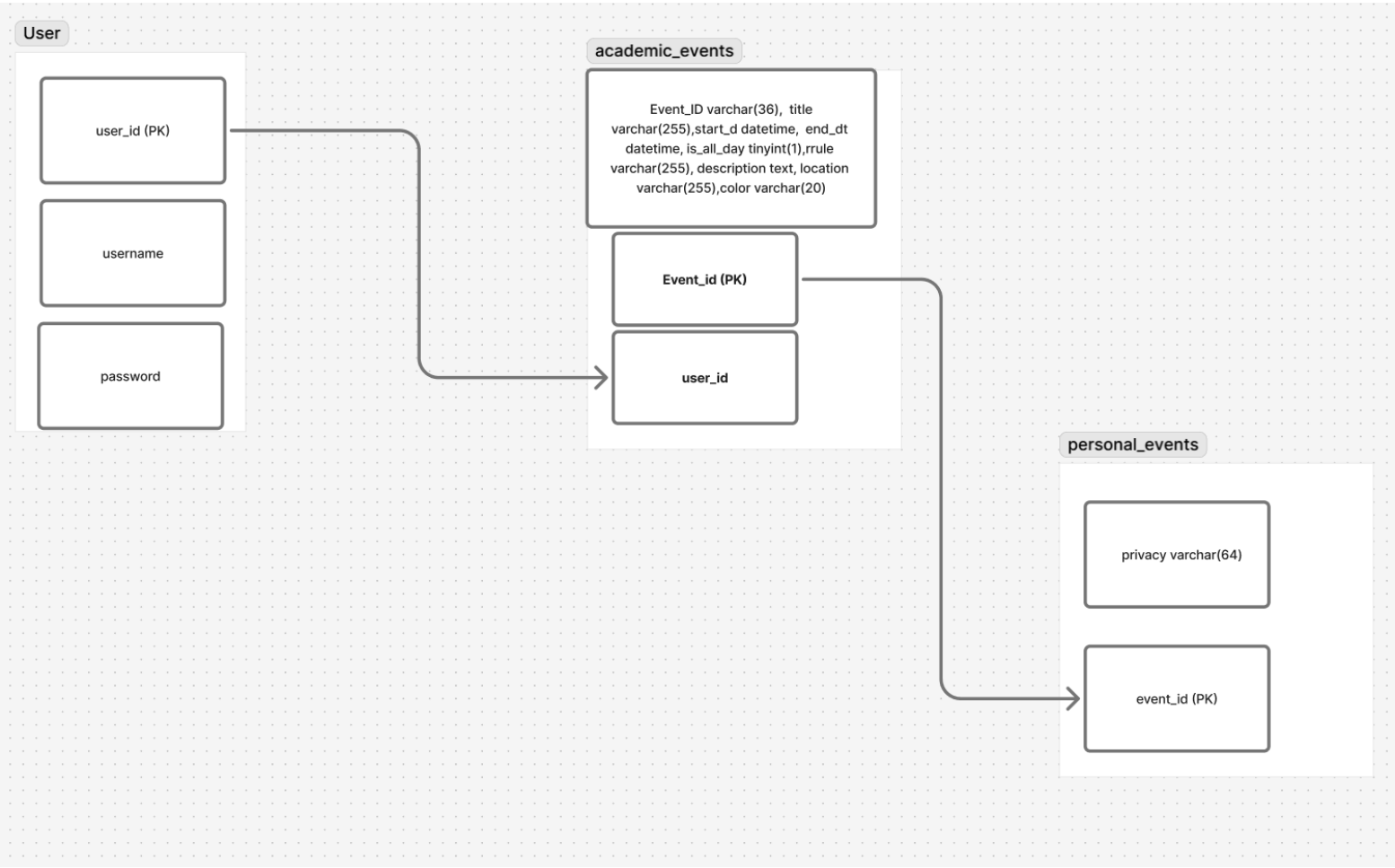
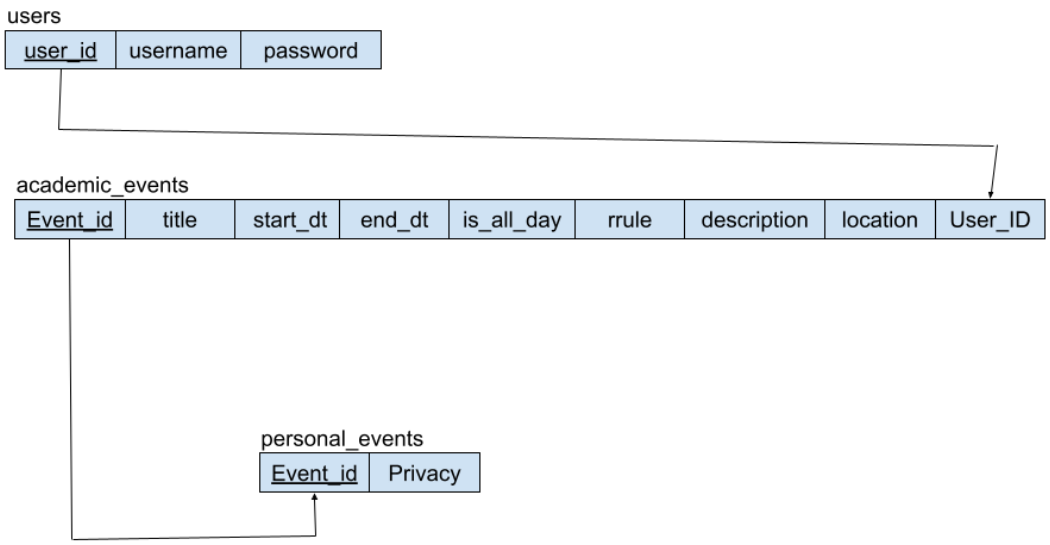
Revisited Problem Statement:
The purpose of this project is to create a calendar web application that allows users to view information about school tests, quizzes, homeworks, etc as well as personal events. Using APIs to combine multiple calendars into one. We plan to bridge the gap between a student's school and personal life into one centralized calendar, utilizing a secure synchronized database to store information for our unified calendar. This will help lower the burden students face of juggling multiple calendars. We want to accomplish a functioning web application. The backend will pull information from Canvas API,(and maybe Google Calendar's API for initial setup). Also, the back end will clean the information from the api before interacting with the database to store events.
ER/EER Diagrams: Clear Figma [Link]



Logical Database Design



Application Program Design (pseudo.):

```
Login():
    username = input()
    Password = input()
    if username == stored username & Password == username.password
        Log in
    Else
        "Incorrect username and password"

Import Canvas data:
    url = input()
    API Pull
    for coursesIDs in API Pull
        Create new entry in courses table
        For events with courseId in API Pull
            Create new entry in Academic events table

Add personal Event:
    id = create unique id
    title = input()
    start_dt = input()
    end_dt = input()
    Status = optional input
    Priority = optional input
    Add this data to Event table
```

Delete event:
    Execute event deletion Cascading downwards

Add User:
    if Admin == True
        User Id = Create unique Id
        username = input()
        Password = input()

Delete user:
    if admin == true
        Execute delete query Cascading downward

Modify user:
    if admin == true
        Execute modification action

All source code along with Installation guide can be found here LINK