Project Name: Injury Tracker

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Intended Functionality from User Perspective

The main purpose of our web application is to provide a tool for registered users to apply injury data to the corresponding athletes, review the injury history of each individual athlete, and provide analysis.

Depending on the user's registered role, the intended functionality will vary.

Athletes will be able to review their health history, which provides them with data that could be used as a guide for making future decisions.

Coaches will have access to the overall team's injury status, making them available to plan their future training sessions, such as modifying the intensity of the training, etc.
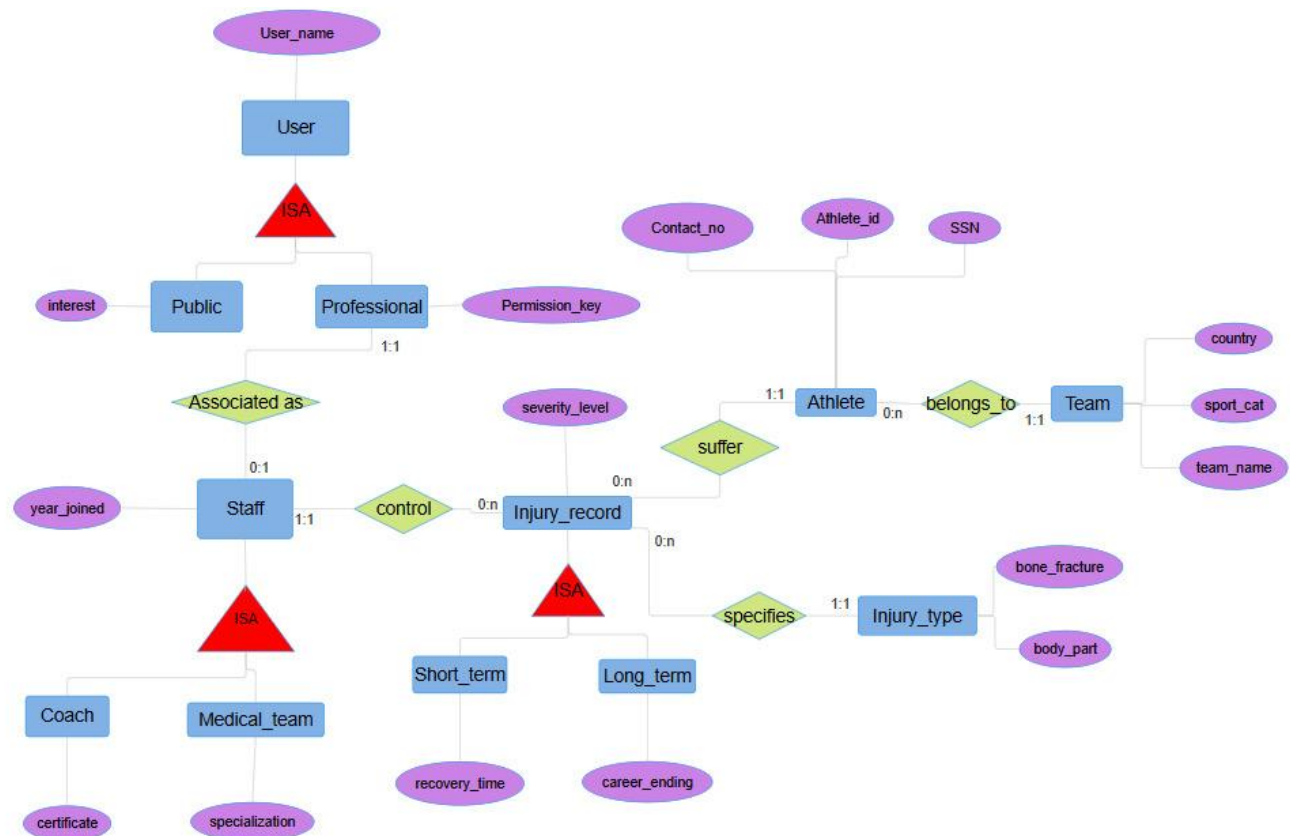
The registered medical staff will have access to modifications to the injury data set. Beside the absolute restricted data set or entity, they will have access to add new injury status to the corresponding athlete, provide information on the injury (such as severity, injured body part, expected return, etc.) and lead to conclusions which helps them assign treatments needed. When invalid data is provided, the error will be noticed on the page until valid data is transcribed.

The unregistered, or the general viewer of the web page, will be able to access information on the injury updates of their favorite sport team.

Users will be able to view the visual summary of common injuries within sports and average time spent on recovery for the specified injury, which provides first-hand insights that mentors whatever type of conclusion each corresponding user can make.

In conclusion, our webpage will provide valuable data analysis that guides the prevention of injuries.

ER diagram:

User interaction:

Target users   ------   Coach/Manager, Athlete, Doctor, Physiotherapists

- Track Athletes' health status and injury history

- Monitor athletes' performance and adjust their schedule/plan

- Offer injury prevention training/treatments.

- Overall team improvements and resource allocation

Information: training history   injury and recovery status

                            Treatment plans and record

Illegal action: user input unauthorized records or false data

                            access to private data without permission