**USE CASES:**

**1.**

**Use Case: Search for Analyst Jobs in the NHL**

**Description: User wants to find job posts for the National Hockey League**

**Actors: User**

**Precondition: User must have access to the database**

**Actor action – User queries for job postings joined with companies based in the NHL**

**System Responses – Database results with company league\_short as NHL are displayed**

**2.**

**Use Case: Search for job requirements to job postings in Massachusetts**

**Description: User wants to find requirements of jobs in Massachusetts that are in the database**

**Actors: User**

**Precondition: User must have access to the database**

**Actor action: User queries for job postings with locations in MA**

**System Responses: A list of all job postings and their state are displayed with requirements for them**

**3.**

**Use Case: Find the league with the most postings available**

**Description: User wants to find out which league is looking for the most help**

**Actors: User**

**Precondition: User must have access to the database**

**Actor action: User queries for a count of all job postings by league**

**System Responses: Each league and a count of postings is displayed**

**4.**

**Use Case: Find remote jobs not on a sport team but in the sports domain**

**Description: User wants to find jobs that are not on sports teams but still sports related and offered remotely**

**Actors: User**

**Precondition: User must have access to the database**

**Actor action: User queries for jobs with locations that mention remote and have NULL or NA leagues**

**System Responses: job postings are displayed for the met criteria**

**5.**

**Use Case: Find links to job postings for the Spring specifically in the MLB**

**Description: User wants to find Spring jobs for professional baseball teams**

**Actors: User**

**Precondition: User must have access to the database**

**Actor action: User Queries for job postings with company league of Major League Baseball and a job title like spring**

**System Responses: Job titles containing spring and their respective location is displayed**

**SQL FOR USE CASES:**

**1.**

**CREATE VIEW NHL\_Analysts AS**

**SELECT c.company\_name, p.job\_title, c.league\_short, p.job\_city, p.job\_state**

**FROM job\_posting p**

**JOIN company\_team c**

**ON p.company\_ID = c.company\_ID**

**WHERE p.job\_title LIKE "%analyst%" and c.league\_short = "NHL" OR c.company\_name = 'National Hockey League';**

**2.**

**CREATE VIEW MA\_job\_postings AS**

**SELECT p.job\_ID, p.job\_title, p.job\_city, p.job\_state, r.requirements**

**FROM job\_posting p**

**JOIN job\_requirements r**

**ON p.job\_ID = r.job\_ID**

**WHERE p.job\_state LIKE "%MA";**

**3.**

**CREATE VIEW league\_listings AS**

**SELECT c.league\_short, COUNT(p.job\_ID) as league\_postings**

**FROM job\_posting p**

**JOIN company\_team c**

**ON p.company\_ID = c.company\_ID**

**GROUP BY c.league\_short**

**ORDER BY league\_postings DESC;**

**4.**

**CREATE VIEW remote\_non\_league AS**

**SELECT p.job\_ID, p.job\_title, p.scraped\_datetime, p.job\_city, p.posting\_url, c.company\_ID, c.company\_name**

**FROM job\_posting p**

**JOIN company\_team c**

**ON p.company\_ID = c.company\_ID**

**WHERE c.league IS NULL AND (p.job\_city LIKE "%remote%" OR p.job\_state LIKE "%remote%");**

**5.**

**CREATE VIEW spring\_jobs AS**

**SELECT c.company\_name, p.job\_title, c.league\_short, p.posting\_url**

**FROM job\_posting p**

**JOIN company\_team c**

**ON p.company\_ID = c.company\_ID**

**WHERE p.job\_title LIKE "%Spring%";**

**SQL RESULTS**

**Graphical user interface, text, application

Description automatically generated**



**Graphical user interface, table

Description automatically generated**



**Graphical user interface, application

Description automatically generated**



**Graphical user interface, text, application

Description automatically generated**

1. **No data in the database after this scrape but their had been previously. Sample is added for no MLB criteria.**

**Graphical user interface, application

Description automatically generated**