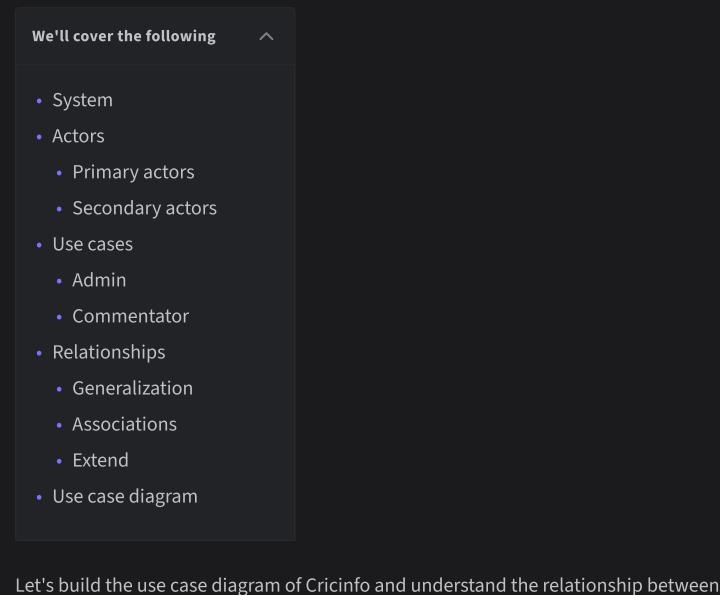
# **Use Case Diagram for Cricinfo**

Learn how to define use cases and create the corresponding use case diagram for the Cricinfo problem.



First, we will define the different elements of our Cricinfo system, followed by the complete use case diagram of the system.

System

## **Actors**

Our system is "Cricinfo."

its different components.

### **Primary actors**

• Admin: The admin is in charge of performing numerous operations—adding or

modifying tournaments, innings, updating stats, etc.

according to their respective interactions with a particular actor.

shared among different actors in the system.

Now, we'll define the main actors of Cricinfo.

Secondary actors

**Commentator:** This actor can add commentary to the match or modify it.

There is no secondary actor in the system.

# Use cases

Note: You'll see some use cases occurring multiple times because they are

In this section, we'll define the use cases for Cricinfo. We have listed the use cases

Add/modify team: To add a team in the system or modify it Add/modify player: To add a player to the team or modify it

### **Add/modify tournament:** To add a tournament in the system or modify it Add/modify team squad: To add a team squad or modify it

**Admin** 

- Add/modify innings: To add innings in the match or modify it
- Add/modify ball: To add a ball in the match or modify it

Add/modify over: To add an over in the match or modify it

- **Add match:** To add a match in the system
- Add/update news: To add the match news in the system or update it Add/modify stadium: To add a stadium in the system or modify it
- Add/modify umpire: To add an umpire in the system or modify it Add/update stats: To add stats of a player, match, or tournament to the system
- Add/modify commentary: To add a commentary to the match or modify it

## We describe the relationships between and among actors and their use cases in this

Relationships

Commentator

Generalization • The admin can add/update stats by adding/updating player, match, or

tournament stats. This shows "Add/update stats" use case has a generalization

relationship with the "Add/update player stats," "Add/update match stats," and

use case has a generalization relationship with the "Add T20," "Add test," and

### "Add/update tournament stats" use cases. • The admin can add the match type—T20, test, or ODI. Hence, the "Add match"

"Add ODI" use cases.

**Associations** The table below shows the association relationship between actors and their use cases.

Commentator

Add/modify commentary

**Admin** 

Add/modify team

Add/modify player

Add/modify tournament

Add/modify team squad

Add/modify innings

Add/modify over

Add/modify ball

Add match Add/update news Add/modify stadium Add/modify umpire Add/update stats • While adding/modifying the ball, either a run, wicket, or both are added/modified. Therefore, the "Add/modify ball" use case has an extend relationship with the "Add/modify run" and "Add/modify wicket" use cases. Use case diagram Here's the use case diagram of Cricinfo: Cricinfo Add/modify Add/modify Add/modify run over innings

<<extends>>

Add/modify

wicket

Add match

Add/update

news

Add/modify

umpire

Add T20

Add test

Add ODI

Add/modify

commentary

Extend

Add/modify Admin

Add/modify

ball

Add/modify

player

Add/modify

team

Add/modify

tournament

