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## Project T

### ✓ Welcome to your team space!

- We've added some suggestions and placeholders. Everything is customizable.
- Get started with page templates:
  - [Project Plan](#)
  - [Meeting Notes](#)
  - [Status Report](#)
- Check out [Home Page](#) for more tips.

### About

*Designing a computing technology project can be a thrilling and rewarding experience for those involved, as they have the opportunity to create something that can truly make a difference in people's lives. It can also be a challenging process that requires patience, perseverance, and a willingness to adapt to changing circumstances.*

*During the project, team members may experience a range of emotions, from excitement and enthusiasm to frustration and disappointment. They may feel a sense of accomplishment as they see their ideas come to life, or they may feel discouraged if they encounter setbacks or obstacles.*

*However, by working together and supporting each other, team members can overcome these challenges and create a product that truly meets the needs of its users. The sense of pride and satisfaction that comes from seeing their hard work come to fruition can be a powerful motivator and can inspire them to take on even more ambitious projects in the future.*

### Mission

*Our mission is to:*

- Develop and maintain a user-friendly, reliable, and efficient scoring database
- Streamline management of individual and competition scores
- Foster a sense of community among archers
- Promote the growth of the sport at the club level

### Meet the team

*Meet Our Team!*



@Eloise Grant

Developer

Responsibility



@Tran Duc Anh Dang

Leader

Responsibility



@LUAN NGUYEN

Developer

Responsibility

## Contact us

How can someone reach out to your team?

- [103995439@student.swin.edu.au](mailto:103995439@student.swin.edu.au)
- [103812143@student.swin.edu.au](mailto:103812143@student.swin.edu.au)
- [103947870@student.swin.edu.au](mailto:103947870@student.swin.edu.au)

## Important Pages

- [\*Home\*](#)
- [\*Weekly status report\*](#) UNDEFINED
- [\*Working Agreement\*](#)



### Onboarding FAQs

Add resources for new hires



### Meeting notes

[Meeting Note 15 Mar 2023](#)

[Meeting Notes 22 Mar 2023](#)



### Team goals

- Clear communication
- Collaboration
- Defined roles
- Defined responsibilities
- Realistic timelines

## Team news

Create a blog post to share team news. It will automatically appear here once it's published.

## Blog stream

Create a blog post to share news and announcements with your team and company.

[Create blog post](#)



# Home Page

 This template is brought to you by HubSpot, a marketing, sales, and service platform.

## 👋 Welcome to Question Mark?

Project home page for team "Question Mark"

Team metrics
Team cohesion <span style="color: green;">ON TRACK</span> / <span style="color: red;">OFF TRACK</span>
Team morals <span style="color: green;">ON TRACK</span> / <span style="color: red;">OFF TRACK</span>
Team productivity <span style="color: green;">ON TRACK</span> / <span style="color: red;">OFF TRACK</span>

about Question Mark?		
We are a team of 3 from the COS20031 Stream 4 class, Semester 1 of 2023.		
Our goal for this semester is to achieve high marks for our Archery database project assessment deliverables.		
Meet the team		
<table border="1"><tbody><tr><td> @LUAN NGUYEN Mrs.</td><td> @Tran Duc Anh Dang Mr.</td></tr></tbody></table>	 @LUAN NGUYEN Mrs.	 @Tran Duc Anh Dang Mr.
 @LUAN NGUYEN Mrs.	 @Tran Duc Anh Dang Mr.	

Deliverables
<input checked="" type="checkbox"/> <b>Project Proposal</b> Due 26 Mar 2023
<input checked="" type="checkbox"/> <b>Progress Report</b> Due 23 Apr 2023
<input checked="" type="checkbox"/> <b>Process and Product Video</b> Due 28 May 2023
<input checked="" type="checkbox"/> <b>Reflection and Peer Assessment</b> Due 28 May 2023
<input checked="" type="checkbox"/> <b>Final Report</b> Due 28 May 2023

Product-link: <https://mercury.swin.edu.au/cos20031/s103995439/site/index.php>

## (Resources)

Restrict search to this space's space key.

Search

Search

Anh's Contact
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Luan's Contact
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Eloise's Contact
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✉ 103947870@student.swin.edu.au
☎ +61459232556

# Working Agreement

## 📋 Overview

Team	Team Question Mark
Team members	@LUAN NGUYEN @Tran Duc Anh Dang @Eloise Grant
Date	1 Mar 2023

## 👉 Working agreements

Goal	Working agreements
Regular Team Meetings	<ul style="list-style-type: none"><li>• Weekly meeting for 15 minutes</li><li>• Will take place in the weekly Workshop</li></ul>
Clear communication	<ul style="list-style-type: none"><li>• Verbal communication from all participants</li><li>• Written communication via Discord and Teams</li></ul>
Collaboration	<ul style="list-style-type: none"><li>• Team members will all contribute to the project</li><li>• Team members will communicate to the team any issues they encounter</li></ul>
Realistic timeline	<ul style="list-style-type: none"><li>• Project work will be completed and submitted before due date</li></ul>

## 📘 Team member underperformance

Team members who underperform may be subject to marking adjustment penalties as outlined in the "Marking Adjustments For Team Deliverables Due To Low Contribution" policy (via Canvas).

<https://swinburne.instructure.com/courses/48754/pages/marketing-adjustments-for-team-deliverables-due-to-low-contribution>

## Group underperformance process

Stage	Identifiers	Outcome
1	<ul style="list-style-type: none"><li>• Lack of communication</li><li>• Not contributing sufficiently</li><li>• Not completing tasks on Jira</li><li>• Poor quality of work</li><li>• Not attending lectures</li><li>• Not attending workshop/tutorial sessions</li></ul>	Group meeting to address
2	<ul style="list-style-type: none"><li>• Has not addressed concerns raised by group within week</li></ul>	Contact facilitator

Team members	Date	Digital Signature
Luan Nguyen @LUAN NGUYEN	22 Mar 2023	LUAN NGUYEN
Tran Duc Anh Dang	22 Mar 2023	Tran Duc Anh Dang

@Tran Duc Anh Dang		
Eloise Grant	22 Mar 2023	Eloise Grant

# 😎 Project plan

Leader	@Tran Duc Anh Dang
Approver	@Mohammad abuhassan
Contributors	@LUAN NGUYEN @Tran Duc Anh Dang @Eloise Grant
Informed	Archers, Archery Recorder
Objective	Developing a scoring database system for an archery club to record individual and competition scores, allow archers to access their scores and competition results, and enable the club recorder to manage competitions and archers' data.
Due date	28 May 2023
Key outcomes	<ol style="list-style-type: none"> <li>1. Archers can look up their scores over time, filtered by date range and round type as well as sorted by date and score</li> <li>2. Archers can enter their scores using a hand held device</li> <li>3. Archers can access round informations</li> <li>4. Archers can view club competition results</li> <li>5. A system can determine an archer's personal best</li> <li>6. The recorder can manage archers' informations such as rounds, scores, etc</li> </ol>
Status	NOT STARTED / IN PROGRESS / COMPLETE

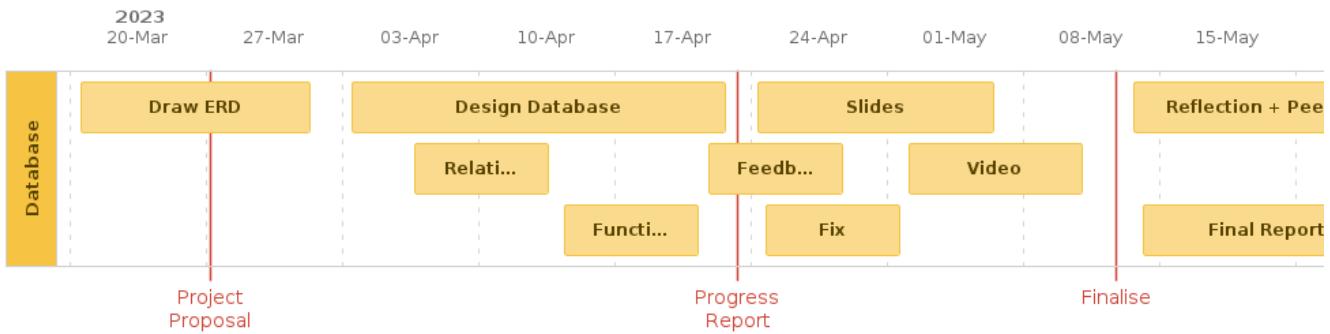
## 🤔 Problem Statement

The archers need a system to manage scoring records where they can access them, and where new records can be added. We think the database we propose in our Entity Relationship Diagram will achieve this. We will know we have succeeded if all the functionalities mentioned in the project brief is replicated in our system.

## 🎯 Scope

Must have:	<ol style="list-style-type: none"> <li>1. Archers' personal score lookup with filtering and sorting options.</li> <li>2. Archers' score entry using a hand-held device.</li> <li>3. Round definitions and equivalent rounds lookup.</li> <li>4. Club competition and yearly club championship results display.</li> <li>5. Personal best and club's best score calculation.</li> <li>6. Recorder's management functions for archers, rounds, and competitions.</li> <li>7. Archer's division and default equipment category in the database.</li> </ol>
Nice to have:	<ol style="list-style-type: none"> <li>1. An attractive visual design for the tool</li> <li>2. Stakeholders may find it beneficial to use additional tools or resources that can assist in project management, communication, data analysis, and feedback collections</li> </ol>
Not in scope:	<ul style="list-style-type: none"> <li>• Live score tracking</li> </ul>

## 📅 Timeline



## ▶ Milestones and deadlines

Milestone	Owner	Deadline	Status
Final Report	@Eloise Grant @LUAN NGUYEN @Tran Duc Anh Dang	27 May 2023	Complete
Database Design	@LUAN NGUYEN @Tran Duc Anh Dang @Eloise Grant	27 May 2023	Complete
Database Function	@Tran Duc Anh Dang	27 Apr 2023	Complete
Slides	@Eloise Grant @LUAN NGUYEN	27 Apr 2023	Complete

## 🔗 Reference materials

# Roles and Responsibilities

## 📋 Overview

Identify and discuss team responsibilities by following the instructions for the [Roles and Responsibilities Play](#).

Team	Team Question Mark
Team members	@LUAN NGUYEN @Eloise Grant @Tran Duc Anh Dang
Date	6 Mar 2023
Team mission	Develop a comprehensive, user-friendly scoring database system for an archery club to effectively record and manage individual and competition scores, while providing archers and recorders with a seamless experience in accessing and managing necessary information.

## 📘 Roles and responsibilities

Roles	Responsibilities (what others think)	Responsibilities (what I think)	Assigned
Project Leader	<ul style="list-style-type: none"><li>Managing project team.</li><li>Assigning tasks.</li><li>Monitoring progress.</li></ul>	<ul style="list-style-type: none"><li>Supportive</li><li>Ensure deliverables are completed on time</li></ul>	@Eloise Grant
Researcher	<ul style="list-style-type: none"><li>Project research and analysis.</li><li>Gathering data</li><li>Identifying best practices</li></ul>	<ul style="list-style-type: none"><li>Research related projects</li><li>Combine data for visualization</li></ul>	@Tran Duc Anh Dang
Database Designer	<ul style="list-style-type: none"><li>Controls database</li><li>Works to achieve project requirements following the project brief</li></ul>	<ul style="list-style-type: none"><li>Database fits requirements of stakeholders</li><li>Database makes logical sense</li></ul>	@LUAN NGUYEN

# Risk Assessment Matrix

## Background

- Development and implementation of an archery scoring database
- System to track and manage individual and competition scores
- Facilitate lookup of round definitions and club records
- Understanding potential challenges for successful project execution
- Developing risk management strategies to mitigate negative impacts

## Risks and mitigations

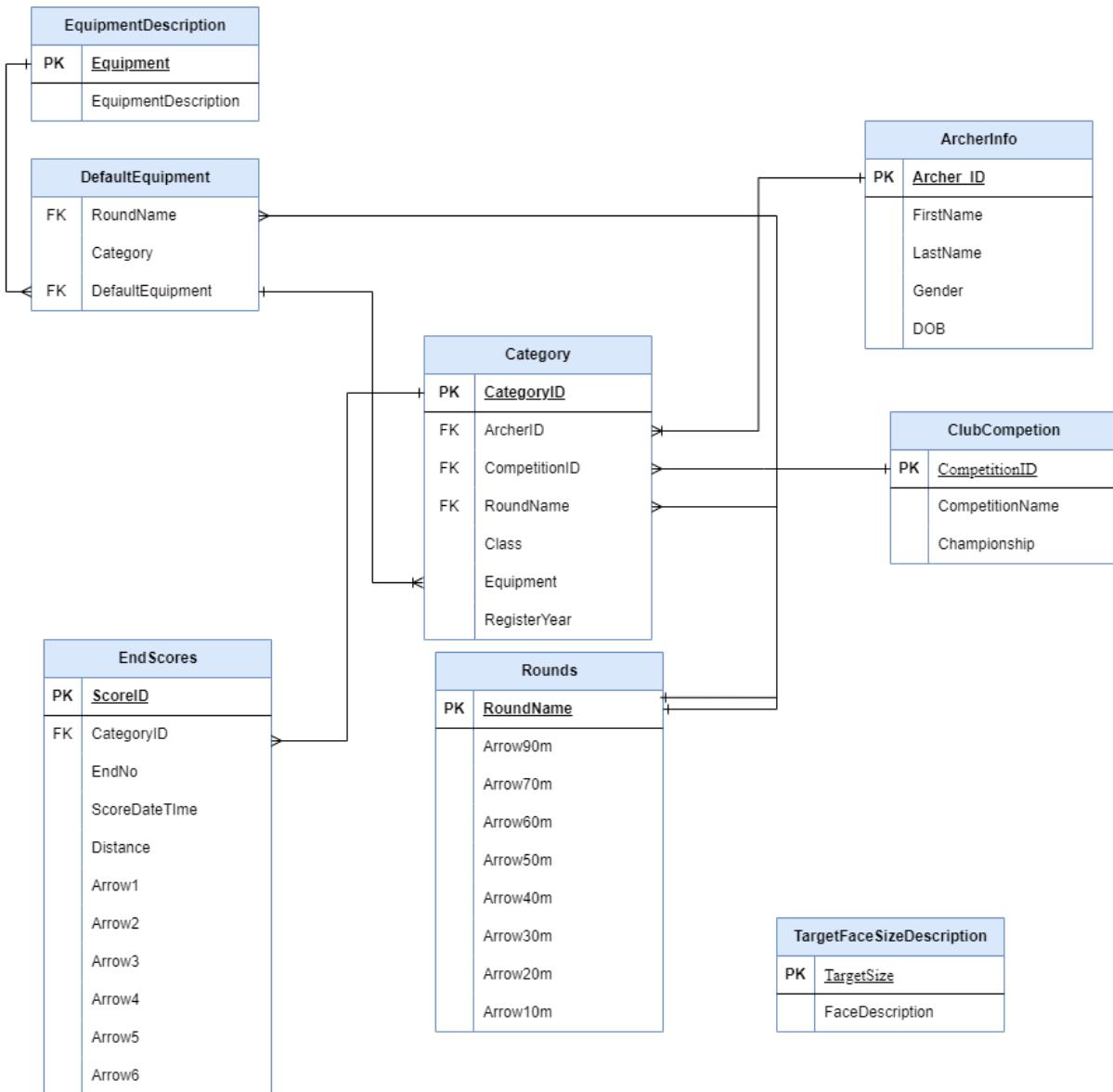
Risk		Mitigation	Rating
		Severity (1-4)	Likelihood (1-3)
1.	Data privacy and security breaches	Implement strong data encryption and access control measures; conduct regular security audits; provide employee training on data security best practices	High 4, 1
2.	Inaccurate or incomplete data entry by users	Develop user-friendly interfaces; provide clear instructions for data input; implement data validation checks; allow users to edit and correct their data	High 3, 3
3.	Insufficient server capacity or performance issues	Optimize database design and server resources; implement backup systems and redundancy; monitor system performance and address issues proactively	Medium 3, 2
4.	Inadequate training or support for the club recorder	Provide comprehensive training materials and ongoing support; develop a user-friendly interface; establish a helpdesk for prompt issue resolution	Medium 2, 1
5.	Outdated round definitions and equivalent rounds	Maintain regular communication with archery organizations; monitor changes in rules and update the database accordingly; provide users with easy access to rule changes and updates	Low 1, 2
6.	Software bugs or technical issues	Implement thorough testing and quality assurance processes; provide regular updates and patches; establish a system for users to report bugs and issues	Medium 2, 2
7.	Inability to retrieve historical data	Implement regular data backups and archiving; develop a user-friendly interface for accessing historical data; ensure data retention complies with applicable regulations	Medium 3, 1
8.	Team members leaving/illness	Cross-train team members on key tasks; maintain up-to-date documentation of project work; establish contingency plans for key personnel absences	Medium 2, 2
9.	Underperformance	Set clear project goals and milestones; monitor progress regularly; address issues and obstacles promptly; maintain open communication within the team	High 3, 2
10.	Time running out	Establish a realistic project timeline; allocate sufficient resources; monitor progress and adjust plans as needed; prioritize tasks and manage scope changes effectively	Medium 3, 2

## Risk rating

LOW	MEDIUM	HIGH	EXTREME
<ul style="list-style-type: none"><li>• Acceptable</li><li>• Ok to proceed</li></ul>	<ul style="list-style-type: none"><li>• As low as reasonably practicable</li><li>• Take mitigation efforts</li></ul>	<ul style="list-style-type: none"><li>• Generally unacceptable</li><li>• Seek support</li></ul>	<ul style="list-style-type: none"><li>• Intolerable</li><li>• Place event on hold</li></ul>

LIKELIHOOD	SEVERITY			
	1 - ACCEPTABLE <i>Little to no effect on event</i>	2 - TOLERABLE <i>Effects are felt, but not critical to outcome</i>	3 - UNDESIRABLE <i>Serious impact to the course of action and outcome</i>	4 - INTOLERABLE <i>Could result in disaster</i>
1 - IMPROBABLE <i>Risk is unlikely to occur</i>		4	3, 7	1
2 - POSSIBLE <i>Risk will likely occur</i>	5	6, 8	9, 10	
3 - PROBABLE <i>Risk will occur</i>			2	

# Project Entity Relationship Diagram



# Archery Database Requirements

Target release	Version 1.0
Epic	Archery Scoring Database
Document status	DRAFT
Document owner	@Tran Duc Anh Dang
Tech lead	@Tran Duc Anh Dang
Technical writers	@Tran Duc Anh Dang
QA	

## 🎯 Objective

To create a comprehensive, user-friendly database system to track and manage archery scores for both individual archers and club competitions, while also facilitating lookup of round definitions and club records.

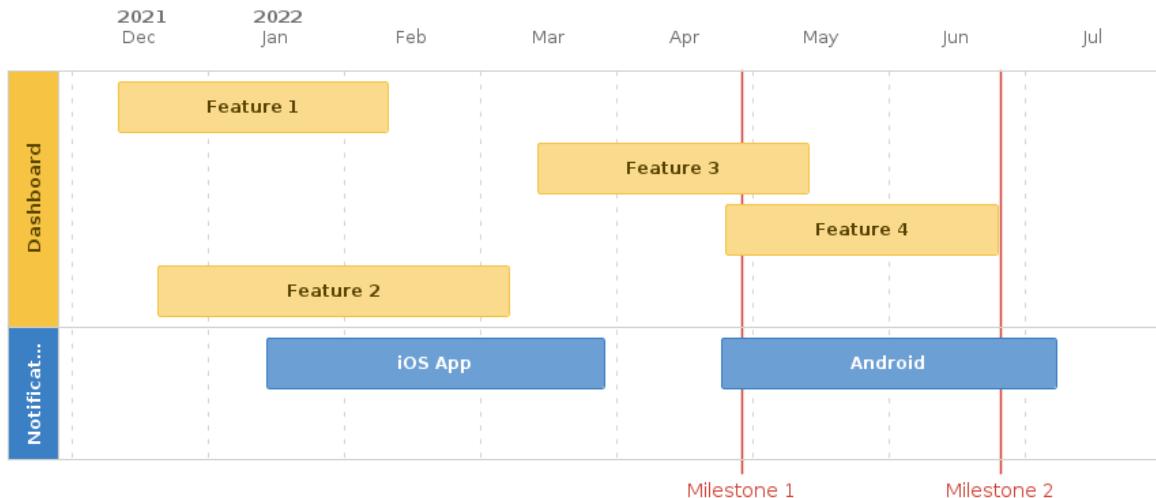
## 📊 Success metrics

Goal	Metric
Accurate score tracking	<ul style="list-style-type: none"><li>Goal: Maintain high data accuracy in the system.</li><li>Metric: 95% of scores entered are accurate and complete.</li></ul>
User satisfaction	<ul style="list-style-type: none"><li>Goal: Provide an easy-to-use and helpful system for tracking scores and competition results.</li><li>Metric: 85% of users rate the system as easy to use and helpful for tracking scores and competition results.</li></ul>

## 🤔 Assumptions

1. Archers will have access to internet-connected devices for entering scores.
2. The database will be hosted on a secure server with adequate storage and processing capacity.
3. The club recorder will be trained and able to manage the system effectively.

## 🌟 Milestones



## Requirements

Requirement	User Story	Importance	Issue	Notes
Allow archers to enter individual scores	As an archer, they want to enter their individual scores easily, including date, time, round, and equipment type	HIGH	Preventing data entry errors	Consider adding validation checks to ensure accurate data entry.
Club recorder score entry and management	Club recorder, they want to enter competition scores and link them to specific competitions and club championships.	HIGH	Ensuring the club recorder has adequate training and access to manage the system.	Provide documentation and training resources for the club recorder.
Lookup Function	Easily find personal bests, club records, and competition results	HIGH	Designing an efficient search feature with sorting options.	Consider using filters and sorting options.
Store history of equivalent rounds	As a club recorder, they want to store a history of equivalent rounds.	MEDIUM	Managing historical data effectively.	Implement a system to archive and retrieve historical equivalent rounds as needed.

## User interaction and design

1. **Authentication:** Users must have unique login credentials to access and manage their scores and profile.
  2. **Score entry:** An intuitive and straightforward process for entering scores, either manually or by uploading from a mobile device.
  3. **Lookup functionality:** A search feature to easily find round definitions, personal bests, competition results, and club records.
  4. **Data visualization:** Interactive charts or graphs to help users track their progress and compare their performance to others.

## Open Questions

Question	Answer	Date Answered

## ⚠️ Out of Scope

- Integration with third-party archery organizations or other clubs.
  - Real-time scoring or live updates during competitions.
  - Support for non-target archery disciplines, such as field or 3D archery.

# ANH USER MANUAL

Environments I like to work in	<ul style="list-style-type: none"><li>• Home</li><li>• Cafe</li></ul>
Preferred working hours	Night time preferred! But happy to work at any time that I'm free during weekdays/weekends
Communication preferences	<ul style="list-style-type: none"><li>• Discord</li><li>• Instagram</li></ul>
Preferred ways to receive feedback	<ul style="list-style-type: none"><li>• Via email</li></ul>

 For a facilitation guide and more info on running this play with your team, visit <https://www.atlassian.com/team-playbook/plays/my-user-manual>

# LUAN USER MANUAL

Environments I like to work in	<ul style="list-style-type: none"><li>I love working in an energetic environment where we can work efficiently together</li></ul>	
Preferred working hours	At night after 9 pm	
Communication preferences	Via Discord or DM	Luan Nguyen#5540 0466602724
Preferred ways to receive feedback	In person or calls me for troubles I met so we can solve the problems	
Things I need	Actives and responsible teammates that help me achieve better results	
How I learn best		
Things I struggle with	Probably is the communication but I'm trying to enhance it day by day	
Things I love		
If I were an animated gif/meme/animal/song, I would be...		
My favorite saying		
Other things I want you to know about me	Contact me anytime and I will try my best to help you	

 For a facilitation guide and more info on running this play with your team, visit <https://www.atlassian.com/team-playbook/plays/my-user-manual>

# Eloise User Manual [she/her]

Environments I like to work in	I value communication and punctuality
Preferred working hours	Mondays, Wednesdays - hours tbc
Communication preferences	<b>Instant messaging:</b> Whatsapp 0459232556 Discord Eloise#4411  <b>For formal communication:</b> email (see below for student ID)
If I were an animated gif/meme/animal/song, I would be...	
Student ID	103947870

- i** For a facilitation guide and more info on running this play with your team, visit <https://www.atlassian.com/team-playbook/plays/my-user-manual>

## Emily Swift's Persona



Persona name	Emily Swift
Persona role	Young Archer
Job description	Student

### 📊 Interest and Goals

- Emily is interested in tracking her progress in archery by monitoring her scores over time.
- She wants to participate in club competitions and work towards her personal best scores.
- Emily is eager to learn about different rounds, equipment, and techniques from experienced archers.
- Emily will be recording her scores using a handheld device

### 👤 Demographic information

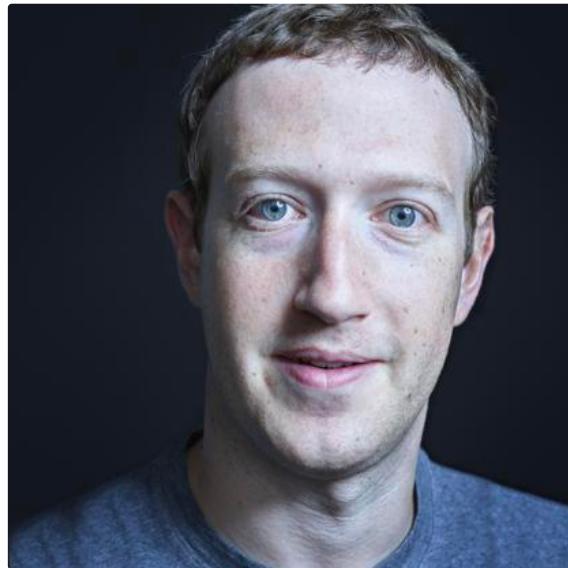
Age	16
Gender	Male
Income	N/A
Education level	College
Residential environment	Urban

### ✍️ Personal quote

## Biography

Emily Swift is a 16-year-old high school student who recently joined the local archery club. She is enthusiastic about learning the sport and improving her skills. While balancing schoolwork and archery, Emily enjoys the social aspect of the club and the opportunity to make new friends.

# Ethan Walker's Persona



Persona name	Ethan Walker
Persona role	Software Developer
Job description	Ethan is responsible for designing, coding, testing, and maintaining software applications.

## Company

Company name	Facebook
Company size	86,482 full-time employees
Industry	Internet Services and Retailing

## Demographic information

Age	25
Gender	Male
Income	\$400,000/annual
Education level	Master of Computer Science
Residential environment	City

## Personal quote

Innovation is the intersection of creativity and practicality. Embrace change and never be afraid to challenge the status quo.

## 📋 Biography

Ethan has earned a Bachelor's degree in Computer Science and boasts more than five years of experience in the software development field. With a robust background in a diverse range of programming languages such as Python, Java, and C++. He currently volunteering to be a part of maintaining and securing the database for archery competition.

Professional goals	Motivators
• Ethan is interesting in Machine Learning, exploring new languages and technologies	• Ethan wants to rise up the ranks quickly
Challenges	Sources of information
• Ethan has hard time while working remotely	• N/A

# Elon Musk's Persona



Persona name	Elon Reeve Musk
Persona role	Ceo and Entrepreneur
Job description	CEO and founder Tesla, SpaceX, Neuralink, The Boring Company and Archery Australia.

## 🏢 Company

Company name	Tesla
Company size	127,855
Industry	Automotive and energy company

## 👤 Demographic information

Age	51
Gender	Male
Networth	\$196.0B
Education level	Bachelor's degree in physics and economics
Residential environment	N/A

## ✍️ Personal quote

When something is important enough, you do it even if the odds are not in your favor.

## 📋 Biography

Born in South Africa, Elon Musk studied in the U.S. before becoming an entrepreneur. He co-founded Zip2 and [X.com](#) (later PayPal), and later established innovative companies SpaceX, Tesla, Neuralink, and The Boring Company. Elon Musk has recently bought the Archery Australia where he will represent himself as a new CEO of Australia Archery club.

Professional goals	Motivators
<ul style="list-style-type: none"><li>• Promote sustainable energy with electric vehicles</li><li>• Space traveller</li><li>• Bring sport to space</li></ul>	<ul style="list-style-type: none"><li>• Driven to address humanity's critical issues through innovative technology</li></ul>
Challenges	Sources of information
<ul style="list-style-type: none"><li>• Balancing multiple roles and responsibilities.</li><li>• Ensuring financial stability and profitability for his companies.</li></ul>	

# Recorder Rachel's Persona



Source: [P Royalty-Free photo: Woman holding pen and notebook | PickPik](#)

Persona name	Recorder Rachel
Persona role	Recorder
Job description	The recorder enters new archers, new round and new competitions. They submit scores that the archers have recorded on mobile devices.

## Company

Company name	N/A
Industry	Archery Administration

## Demographic information

Age	Likely 20s - 70s
Gender	Any

## Personal quote

"I am in charge of recording the archer's scores, I have to be able to add new entries to the database"

## Biography

This person is in an administration role. They likely have some degree of technical knowledge, as they will be using technology to access the database.

Professional goals	Motivators
--------------------	------------

Professional goals	Motivators
<ul style="list-style-type: none"> <li>• To record information accurately</li> <li>• To record information quickly</li> <li>• To record information easily</li> </ul>	<ul style="list-style-type: none"> <li>• This person has to be able to complete their job using the tools provided</li> </ul>
Challenges	Sources of information
<ul style="list-style-type: none"> <li>• They may find the database confusing or difficult to use</li> </ul>	<ul style="list-style-type: none"> <li>• Archers scores</li> <li>• Own knowledge of archery rules</li> </ul>

# ELON MUSK 'S EMPATHY MAP

## Elon Musk's Persona

### **What Elon Musk Says:**

"When something is important enough, you do it even if the odds are not in your favor."

### **What Elon Musk Does:**

- Balances multiple roles and responsibilities as CEO and founder of multiple companies.
- CEO and Entrepreneur of Tesla, SpaceX, Starlink, Archery Australia

### **What Elon Musk Think and Feels:**

- Excited about the potential of technology to solve global problems
- Concerned about the sustainability of our planet
- Stressed from managing multiple roles and responsibilities

### **What Elon Musk Sees:**

- A world that's rapidly evolving and embracing technology
- Competitors in the automotive, space, technology, and sports industries
- Growth and development of Archery Australia and its potential to promote the sport

### **What Elon Musk Hears:**

- Feedback and opinions from stakeholders, investors, and the public
- News and updates about advancements in technology, space exploration, and archery
- Concerns and opinions from customers and users of his products
- Criticism and praise from the media and the public

### **What Elon Musk Say and Do:**

- Continuously push the boundaries of what is possible in technology
- Promote his companies' products and visions, including Archery Australia
- Juggle multiple responsibilities as the CEO of various companies and founder of Archery Australia

### **From Influencers:**

- Praise and support for his innovative ideas and bold vision.
- Skepticism or criticism of his methods or goals.
- Media attention and public interest in his actions and statements.

### **Pain Points:**

- Balancing multiple responsibilities across various companies
- Limited time to oversee day-to-day operations
- Managing the public's high expectations and the pressure to deliver on ambitious goals
- Ensuring financial stability and profitability for his companies, including Archery Australia
- Managing the high expectations of stakeholders and the public

### **Gains:**

- Seeing his companies thrive and make a positive impact on the world

- Growing Archery Australia and increasing the sport's popularity
- Fostering a strong community of archery enthusiasts and athletes

# Meeting notes - 2023-03-15

## 📅 Date

15 Mar: Added ER Diagram Plan + Possible SQL Command to Create Content Table

## 👤 Participants

- [@Tran Duc Anh Dang](#) | [@LUAN NGUYEN](#) | [@Eloise Grant](#)

## 📝 Goals

- Planning ER Tables
- Planning SQL Command to create this table

## 🗣️ Discussion topics

Time	Item	Notes
15 Mar 2023	ER Diagram	<p>Archer Information:</p> <ul style="list-style-type: none"><li>-ArcherID (unique identifier for each archer)</li><li>-FirstName</li><li>-LastName</li><li>-Gender</li><li>-DOB</li></ul> <p>Equipment Types:</p> <ul style="list-style-type: none"><li>-EquipmentID (unique identifier for each equipment type)</li><li>-EquipmentName (such as recurve bow, compound bow, etc.)</li></ul> <p>Round Definitions:</p> <ul style="list-style-type: none"><li>-RoundID (unique identifier for each round type)</li><li>-RoundName (name of the round)</li><li>-Distances (distances shot in the round)</li><li>-EndsPerDistance (number of ends per distance)</li><li>-TargetFaces (target faces used in the round)</li><li>-NumberOfEnds (total number of ends in the round)</li><li>-EquivalentRounds (list of equivalent round IDs)</li></ul> <p>Scores:</p> <ul style="list-style-type: none"><li>-ScoreID (unique identifier for each score entry)</li><li>-ArcherID (foreign key to Archer Information)</li><li>-RoundID (foreign key to Round Definitions)</li><li>-EquipmentID (foreign key to Equipment Types)</li><li>-DateTime (date and time of the score entry)</li><li>-TotalScore (total score achieved by the archer)</li></ul> <p>Competition Results:</p> <ul style="list-style-type: none"><li>-ResultID (unique identifier for each competition result)</li><li>-CompetitionID (foreign key to Club Competitions)</li><li>-ArcherID (foreign key to Archer Information)</li><li>-TotalScore (total score achieved by the archer in the competition)</li></ul>

		<p>Personal Bests:</p> <ul style="list-style-type: none"> <li>-PBID (unique identifier for each personal best record)</li> <li>-ArcherID (foreign key to Archer Information)</li> <li>-RoundID (foreign key to Round Definitions)</li> <li>-BestScore (best score achieved by the archer for the round)</li> </ul>
15 Mar 2023	SQL Command to Create Table	<pre> CREATE TABLE ArcherInformation (     ArcherID INT AUTO_INCREMENT PRIMARY KEY,     FirstName VARCHAR(255) NOT NULL,     LastName VARCHAR(255) NOT NULL,     Gender ENUM('M', 'F', 'O') NOT NULL,     DOB DATE NOT NULL );  CREATE TABLE EquipmentTypes (     EquipmentID INT AUTO_INCREMENT PRIMARY KEY,     EquipmentName VARCHAR(255) NOT NULL );  CREATE TABLE RoundDefinitions (     RoundID INT AUTO_INCREMENT PRIMARY KEY,     RoundName VARCHAR(255) NOT NULL,     Distances VARCHAR(255) NOT NULL,     EndsPerDistance VARCHAR(255) NOT NULL,     TargetFaces VARCHAR(255) NOT NULL,     NumberOfEnds INT NOT NULL );  CREATE TABLE Scores (     ScoreID INT AUTO_INCREMENT PRIMARY KEY,     ArcherID INT,     RoundID INT,     EquipmentID INT,     DateTime DATETIME NOT NULL,     TotalScore INT NOT NULL,     FOREIGN KEY (ArcherID) REFERENCES ArcherInformation(ArcherID),     FOREIGN KEY (RoundID) REFERENCES RoundDefinitions(RoundID),     FOREIGN KEY (EquipmentID) REFERENCES EquipmentTypes(EquipmentID) );  CREATE TABLE ClubCompetitions (     CompetitionID INT AUTO_INCREMENT PRIMARY KEY,     CompetitionName VARCHAR(255) NOT NULL,     CompetitionDate DATE NOT NULL,     IsChampionship BOOLEAN NOT NULL );  CREATE TABLE CompetitionResults (     ResultID INT AUTO_INCREMENT PRIMARY KEY,     CompetitionID INT,     ArcherID INT,     TotalScore INT NOT NULL,     FOREIGN KEY (CompetitionID) REFERENCES ClubCompetitions(CompetitionID),     FOREIGN KEY (ArcherID) REFERENCES ArcherInformation(ArcherID) );  CREATE TABLE PersonalBests (     PBID INT AUTO_INCREMENT PRIMARY KEY,     ArcherID INT,     RoundID INT,     BestScore INT NOT NULL,     FOREIGN KEY (ArcherID) REFERENCES ArcherInformation(ArcherID),     FOREIGN KEY (RoundID) REFERENCES RoundDefinitions(RoundID) ); </pre>

## ✓ Action items



## ⌚ Decisions



# Meeting Notes - 2023-03-22

## Date

22 Mar 2023

## Participants

- @Eloise Grant (Writer)
- @LUAN NGUYEN
- @Tran Duc Anh Dang

## Goals

- Identify outstanding requirements before submission of Confluence work (due 26/3/2023)

## Discussion topics

Time	Item	Notes	Completed
11:20AM	Team Home Page	<ul style="list-style-type: none"><li>• 00%</li><li>• Calendar</li></ul>	✓
	Working agreement	<ul style="list-style-type: none"><li>• team member underperformance</li></ul>	✓
	Project plan	<ul style="list-style-type: none"><li>• rewrite objective (plagiarism)</li><li>• problem statement</li><li>• scope</li><li>• remove web app from timeline</li><li>• rewrite milestones and deadlines</li></ul>	✓
	Roles and Responsibilities	<ul style="list-style-type: none"><li>• could be fleshed out further, marked as complete for now</li></ul>	✓
	Risk Assessment	<ul style="list-style-type: none"><li>• Anh - updating risk assessment matrix</li></ul>	✓
	Persona	<ul style="list-style-type: none"><li>• Anh to complete a persona page</li><li>• delete wrong persona page</li></ul>	✓
	Empathy map	<ul style="list-style-type: none"><li>• work on as group 22/3</li></ul>	✓
	Product Requirements	<ul style="list-style-type: none"><li>• Archery Database Requirements: Completed by Anh</li></ul>	✓
	ER diagram	<ul style="list-style-type: none"><li>• completed by Luan</li></ul>	✓
	Team member profiles	<ul style="list-style-type: none"><li>• Completed</li></ul>	✓
	Team meeting notes	<ul style="list-style-type: none"><li>• 2/3 completed</li><li>• One more to add</li></ul>	

## Action items

- ✓ Done with items in Discussion

## Decisions

 Submit to Canvas



# Meeting notes - 2023-04-05

## Date

5 Apr 2023

## Participants

- @Eloise Grant
- @LUAN NGUYEN
- @Tran Duc Anh Dang

## Discussion topics

Time	Item	Notes
	On track behaviours	<ul style="list-style-type: none"><li>• Watch weekly Monday lectures</li><li>• Watch independent study videos</li><li>• Discuss as a group during tutorial sessions</li><li>• Attending all sessions<ul style="list-style-type: none"><li>◦ If you're not attending, or you're running 30+ min late, send a message</li></ul></li></ul>
	Communication	<ul style="list-style-type: none"><li>• Group will try to communicate with one another on what they are doing to prevent redundancies in work</li></ul>
	Jira	<ul style="list-style-type: none"><li>• Add tasks in Jira, tick off when complete</li></ul>
	Meetings and attendance	<ul style="list-style-type: none"><li>• Group will try to attend all tutorials and workshops</li></ul>

## Action items

N/A

# Meeting notes - 2023-04-08

## Date

8 Apr 2023

## Participants

- [@Eloise Grant](#)
- [@LUAN NGUYEN](#)
- [@Tran Duc Anh Dang](#)

## Goals

- Weekly meeting to keep on track

## Discussion topics

Time	Item	Notes
10:00AM	ERD Review	<ul style="list-style-type: none"><li>• Looked at v2 of ERD</li><li>• Canvas videos to be used for reference when updating ERD model</li><li>• Weak entities discussed</li><li>• Lines on diagrams need to be updated to reflect the table relationships</li></ul>
10:30AM	Project Deliverables	<ul style="list-style-type: none"><li>• Next project deadline: 23/4/23</li><li>• This week we will work on improving the database design and check in again next week</li></ul>
10:40AM	Next meeting planned	<ul style="list-style-type: none"><li>• </li></ul>
11:00 PM	Updating New ER Plan	<p>Archer Information:</p> <ul style="list-style-type: none"><li>• ArcherID (PK)</li><li>• FirstName</li><li>• LastName</li><li>• Gender ENUM('M', 'F', 'O')</li><li>• DOB</li></ul> <p>Divisions:</p> <ul style="list-style-type: none"><li>• DivisionID (PK)</li><li>• DivisionName (Recurve, Compound, etc.)</li><li>• DefaultEquipment</li></ul> <p>Rounds:</p> <ul style="list-style-type: none"><li>• RoundID (PK)</li><li>• RoundName</li></ul> <p>Ranges:</p> <ul style="list-style-type: none"><li>• RangeID (PK)</li><li>• RoundID (FK RoundDefinitions)</li><li>• Distance</li><li>• EndsPerDistance</li><li>• TargetFaceSize</li><li>• NumberOfEnds</li></ul> <p>Scores:</p> <ul style="list-style-type: none"><li>• ScoreID (PK)</li><li>• ArcherID (FK ArcherInformation)</li><li>• RoundID (FK RoundDefinitions)</li><li>• DivisionID (FK Divisions)</li></ul>

- CategoryID (FK ArcherCategories)
  - DateTime
  - TotalScore
- Club Competitions:
- CompetitionID (PK)
  - CompetitionName
  - CompetitionDate
  - IsChampionship
- Competition Results:
- ResultID (PK)
  - CompetitionID (FK ClubCompetitions)
  - ArcherID (FK ArcherInformation)
  - CategoryID (FK ArcherCategories)
  - TotalScore
- Personal Bests:
- PBID (PK) personal best)
  - ArcherID (FK ArcherInformation)
  - RoundID (FK RoundDefinitions)
  - BestScore
- Archer Categories:
- CategoryID (PK) category)
  - AgeGroup
  - Gender ENUM('M', 'F', 'O')
  - DivisionID (FK Divisions)

## ✓ Action items

- @LUAN NGUYEN @Tran Duc Anh Dang Watch videos (week 5 vids 40 mins, week 6 vids 40 mins)
- @Eloise Grant

## ⌚ Next Meeting

15/04/23 @ 10AM - Discord voice chat

# Meeting notes - 2023-04-16

## Date

16 Apr 2023

## Participants

- [@Eloise Grant](#)
- [@Tran Duc Anh Dang](#)
- [@LUAN NGUYEN](#)

## Discussion topics

Time	Notes
9:30AM	<p>Changes made to ER diagram</p> <ul style="list-style-type: none"><li>• End table added FK range id</li><li>• relationship changed to only one range to many end</li><li>• removed range from range table</li></ul>
	<p>Tasks for the next week</p> <ul style="list-style-type: none"><li>• Anh will complete some SQL</li><li>• Add tasks into Jira retroactively</li><li>• ER diagram relationship lines need to be updated</li></ul>

## Action items

- Add tasks into Jira (to be completed on or before Monday)
- Change relationships in ER diagram (before next weekend)

## SCRIPT CREATE DATABASE



```
-- Drop table
DROP TABLE IF EXISTS EndScores;
DROP TABLE IF EXISTS Category;
DROP TABLE IF EXISTS ClubCompetition;
DROP TABLE IF EXISTS DefaultEquipment;
DROP TABLE IF EXISTS EquipmentDescription;
DROP TABLE IF EXISTS TargetFaceSizeDescription;
DROP TABLE IF EXISTS Rounds;
DROP TABLE IF EXISTS ArcherInfo;

-- TABLES
-- ArcherInfo_Table
CREATE TABLE ArcherInfo (
    ArcherID INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
    FirstName VARCHAR(255),
    LastName VARCHAR(255),
    Gender ENUM('M', 'F'),
    DOB DATE
) AUTO_INCREMENT=10000;

-- Round_Table
CREATE TABLE Rounds(
    RoundName VARCHAR(255) NOT NULL,
    Arrows90m CHAR(10) DEFAULT '0',
    Arrows70m CHAR(10) DEFAULT '0',
    Arrows60m CHAR(10) DEFAULT '0',
    Arrows50m CHAR(10) DEFAULT '0',
    Arrows40m CHAR(10) DEFAULT '0',
    Arrows30m CHAR(10) DEFAULT '0',
    Arrows20m CHAR(10) DEFAULT '0',
    Arrows10m CHAR(10) DEFAULT '0',
    PRIMARY KEY (RoundName)
);

CREATE TABLE TargetFaceSizeDescription(
    Target CHAR(1),
    FaceDesc VARCHAR(255),
    PRIMARY KEY (Target)
);

-- Equipment description
CREATE TABLE EquipmentDescription(
    Equipment VARCHAR(5) NOT NULL,
    EquipmentDescription VARCHAR(255) NOT NULL,
    PRIMARY KEY (Equipment)
);
```

```

-- Default Equipment
CREATE TABLE DefaultEquipment(
    RoundName VARCHAR(255) NOT NULL,
    Category VARCHAR(255) NOT NULL ,
    DefaultEquipment VARCHAR(4) NOT NULL,
    FOREIGN KEY (RoundName) REFERENCES Rounds(RoundName)
);

-- Club Competition
CREATE TABLE ClubCompetition(
    CompetitionID INT NOT NULL AUTO_INCREMENT,
    CompetitionName VARCHAR(255),
    Championship VARCHAR(255) DEFAULT NULL,
    PRIMARY KEY (CompetitionID)
) AUTO_INCREMENT = 10000;

-- Category
CREATE TABLE Category (
    CategoryID INT NOT NULL AUTO_INCREMENT,
    ArcherID INT NOT NULL,
    CompetitionID INT NOT NULL,
    RoundName VARCHAR(255) NOT NULL,
    Class VARCHAR(255) NOT NULL,
    Equipment VARCHAR(255),
    RegisterYear YEAR,
    PRIMARY KEY (CategoryID),
    FOREIGN KEY (ArcherID) REFERENCES ArcherInfo(ArcherID),
    FOREIGN KEY (CompetitionID) REFERENCES ClubCompetition(CompetitionID),
    FOREIGN KEY (RoundName) REFERENCES Rounds(RoundName)
) AUTO_INCREMENT = 30000;

-- ArrowScore_Table
CREATE TABLE EndScores(
    ScoreID INT NOT NULL AUTO_INCREMENT,
    EndNo ENUM('1','2','3','4','5','6','7','8','9','10','11','12'),
    CategoryID INT NOT NULL,
    Equipment VARCHAR(255),
    Distance ENUM('20m', '30m', '40m', '50m', '60m', '70m', '90m'),
    Arrow1 INT NOT NULL,
    Arrow2 INT NOT NULL,
    Arrow3 INT NOT NULL,
    Arrow4 INT NOT NULL,
    Arrow5 INT DEFAULT NULL,
    Arrow6 INT DEFAULT NULL,
    PRIMARY KEY (ScoreID),
    FOREIGN KEY (CategoryID) REFERENCES Category(CategoryID)
) AUTO_INCREMENT = 100000;

```

# Meeting notes in space

[Create meeting note](#)

## Incomplete tasks from meetings

Description	Due date ▾	Assignee	Task appears on
<input type="checkbox"/> <a href="#">@LUAN NGUYEN</a> <a href="#">@Tran Duc Anh Dang</a> Watch videos (week 5 vids 40 mins, week 6 vids 40 mins)		LUAN NGUYEN	Meeting notes - 2023-04-08
<input type="checkbox"/> <a href="#">@Eloise Grant</a>		Eloise Grant	Meeting notes - 2023-04-08

## Decisions from meetings

Page Title	Decisions
<a href="#">Meeting Notes - 2023-03-22</a>	 <a href="#">Submit to Canvas</a>

## All meeting notes

Title	Creator	Modified
<a href="#">Meeting notes - 2023-04-21</a>	Tran Duc Anh Dang	21/24/2023
<a href="#">Meeting notes - 2023-04-16</a>	Eloise Grant	21/14/2023
<a href="#">Meeting notes - 2023-04-05</a>	Eloise Grant	16/13/2023
<a href="#">Meeting Notes - 2023-03-22</a>	Eloise Grant	16/13/2023
<a href="#">Meeting notes - 2023-04-08</a>	Eloise Grant	16/11/2023

# Meeting notes - 2023-04-21

## Date

21 Apr 2023

## Participants

- [@Tran Duc Anh Dang](#)
- [@LUAN NGUYEN](#)

## Goals

- Update/Fix Data Table
- Update ERD Diagram
- Updating Data Type for Database

## Discussion topics

Time	Item	Presenter	Notes
12:58 PM	Update Data Table	<a href="#">@Tran Duc Anh Dang</a>	<p>Archer Information:</p> <ul style="list-style-type: none"><li>• ArcherID (PK)</li><li>• FirstName</li><li>• LastName</li><li>• Gender ENUM('M', 'F', 'O')</li><li>• DOB</li></ul> <p>Divisions:</p> <ul style="list-style-type: none"><li>• DivisionID (PK)</li><li>• DivisionName (Recurve, Compound, etc.)</li><li>• DefaultEquipment</li></ul> <p>Rounds:</p> <ul style="list-style-type: none"><li>• RoundID (PK)</li><li>• RoundName</li></ul> <p>Ranges:</p> <ul style="list-style-type: none"><li>• RangeID (PK)</li><li>• RoundID (FK RoundDefinitions)</li><li>• Distance</li><li>• EndsPerDistance</li><li>• TargetFaceSize</li></ul> <p>Ends:</p> <ul style="list-style-type: none"><li>• EndID (PK)</li><li>• RangeID (FK Ranges)</li><li>• Score</li></ul> <p>Scores:</p> <ul style="list-style-type: none"><li>• ScoreID (PK)</li><li>• ArcherID (FK ArcherInformation)</li><li>• RoundID (FK RoundDefinitions)</li><li>• DivisionID (FK Divisions)</li><li>• CategoryID (FK ArcherCategories)</li><li>• DateTime</li><li>• TotalScore</li><li>• MaxScore</li></ul>

Club Competitions:

- CompetitionID (PK)
- CompetitionName
- CompetitionDate
- IsChampionship

Competition Results:

- ResultID (PK)
- CompetitionID (FK ClubCompetitions)
- ArcherID (FK ArcherInformation)
- CategoryID (FK ArcherCategories)
- TotalScore

Personal Bests:

- PBID (PK) personal best
- ArcherID (FK ArcherInformation)
- RoundID (FK RoundDefinitions)
- BestScore

Archer Categories:

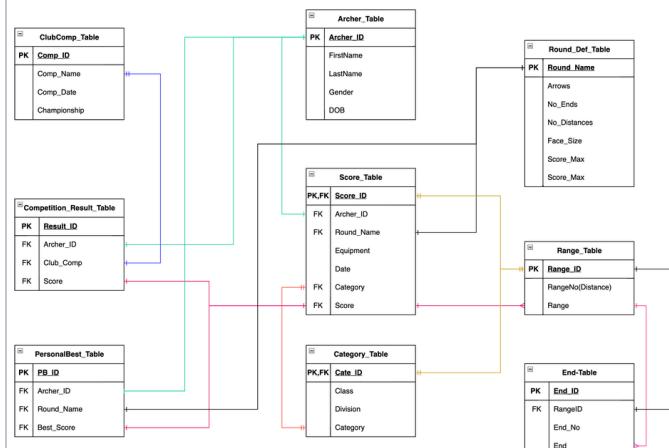
- CategoryID (PK) category
- AgeGroup
- Gender ENUM('M', 'F', 'O')
- DivisionID (FK Divisions)

2:00 PM

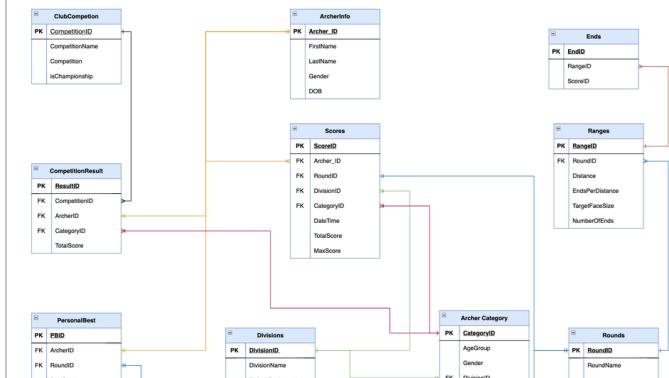
Updating ERD Diagram

@LUAN NGUYEN @Tran Duc  
Anh Dang

Old:



Updated (New)



2:30 PM

Adding Data Type

@Tran Duc Anh Dang

Archer Information:

- ArcherID (INT, PK, NOT NULL)
- FirstName (VARCHAR, NOT NULL)
- LastName (VARCHAR, NOT NULL)
- Gender (ENUM('M', 'F', 'O'), NOT NULL)
- DOB (DATE, NOT NULL)

**Divisions:**

- DivisionID (INT, PK, NOT NULL)
- DivisionName (VARCHAR, NOT NULL)
- DefaultEquipment (VARCHAR, NULL)

**Rounds:**

- RoundID (INT, PK, NOT NULL)
- RoundName (VARCHAR, NOT NULL)

**Ranges:**

- RangeID (INT, PK, NOT NULL)
- RoundID (INT, FK RoundDefinitions, NOT NULL)
- Distance (INT, NOT NULL)
- EndsPerDistance (INT, NOT NULL)
- TargetFaceSize (DECIMAL or FLOAT, NOT NULL)

**Ends:**

- EndID (INT, PK, NOT NULL)
- RangeID (INT, FK Ranges, NOT NULL)
- Score (INT, NOT NULL)

**Scores:**

- ScoreID (INT, PK, NOT NULL)
- ArcherID (INT, FK ArcherInformation, NOT NULL)
- RoundID (INT, FK RoundDefinitions, NOT NULL)
- DivisionID (INT, FK Divisions, NOT NULL)
- CategoryID (INT, FK ArcherCategories, NOT NULL)
- DateTime (DATETIME, NOT NULL)
- TotalScore (INT, NOT NULL)
- MaxScore (INT, NOT NULL)

**Club Competitions:**

- CompetitionID (INT, PK, NOT NULL)
- CompetitionName (VARCHAR, NOT NULL)
- CompetitionDate (DATE, NOT NULL)
- IsChampionship (BOOLEAN, NOT NULL)

**Competition Results:**

- ResultID (INT, PK, NOT NULL)
- CompetitionID (INT, FK ClubCompetitions, NOT NULL)
- ArcherID (INT, FK ArcherInformation, NOT NULL)
- CategoryID (INT, FK ArcherCategories, NOT NULL)
- TotalScore (INT, NOT NULL)

**Personal Bests:**

- PBID (INT, PK, NOT NULL)
- ArcherID (INT, FK ArcherInformation, NOT NULL)
- RoundID (INT, FK RoundDefinitions, NOT NULL)
- BestScore (INT, NOT NULL)

**Archer Categories:**

- CategoryID (INT, PK, NOT NULL)
- AgeGroup (VARCHAR, NOT NULL)
- Gender (ENUM('M', 'F', 'O'), NOT NULL)
- DivisionID (INT, FK Divisions, NOT NULL)

3:00 PM

Possible SQL Command to Generate this Database

@Tran Duc Anh Dang

```
$sql_create_archer_information = "
CREATE TABLE ArcherInformation (
    ArcherID INT PRIMARY KEY NOT NULL,
    FirstName VARCHAR(255) NOT NULL,
    LastName VARCHAR(255) NOT NULL,
    Gender ENUM('M', 'F', 'O') NOT NULL,
    DOB DATE NOT NULL
);

$sql_create_divisions = "
```

```

CREATE TABLE Divisions (
    DivisionID INT PRIMARY KEY NOT NULL,
    DivisionName VARCHAR(255) NOT NULL,
    DefaultEquipment VARCHAR(255)
) ::;

$sql_create_round_definitions = "
CREATE TABLE RoundDefinitions (
    RoundID INT PRIMARY KEY NOT NULL,
    RoundName VARCHAR(255) NOT NULL
) ::;

$sql_create_ranges = "
CREATE TABLE Ranges (
    RangeID INT PRIMARY KEY NOT NULL,
    RoundID INT NOT NULL,
    Distance INT NOT NULL,
    EndsPerDistance INT NOT NULL,
    TargetFaceSize DECIMAL(10, 2) NOT NULL,
    FOREIGN KEY (RoundID) REFERENCES RoundDefinitions(RoundID)
) ::;

$sql_create_ends = "
CREATE TABLE Ends (
    EndID INT PRIMARY KEY NOT NULL,
    RangeID INT NOT NULL,
    Score INT NOT NULL,
    FOREIGN KEY (RangeID) REFERENCES Ranges(RangeID)
) ::;

$sql_create_scores = "
CREATE TABLE Scores (
    ScoreID INT PRIMARY KEY NOT NULL,
    ArcherID INT NOT NULL,
    RoundID INT NOT NULL,
    DivisionID INT NOT NULL,
    CategoryID INT NOT NULL,
    DateTime DATETIME NOT NULL,
    TotalScore INT NOT NULL,
    MaxScore INT NOT NULL,
    FOREIGN KEY (ArcherID) REFERENCES ArcherInformation(ArcherID),
    FOREIGN KEY (RoundID) REFERENCES RoundDefinitions(RoundID),
    FOREIGN KEY (DivisionID) REFERENCES Divisions(DivisionID)
) ::;

$sql_create_club_competitions = "
CREATE TABLE ClubCompetitions (
    CompetitionID INT PRIMARY KEY NOT NULL,
    CompetitionName VARCHAR(255) NOT NULL,
    CompetitionDate DATE NOT NULL,
    IsChampionship BOOLEAN NOT NULL
) ::;

$sql_create_competition_results = "
CREATE TABLE CompetitionResults (

```

			<pre> ResultID INT PRIMARY KEY NOT NULL, CompetitionID INT NOT NULL, ArcherID INT NOT NULL, CategoryID INT NOT NULL, TotalScore INT NOT NULL, FOREIGN KEY (CompetitionID) REFERENCES ClubCompetitions(CompetitionID), FOREIGN KEY (ArcherID) REFERENCES ArcherInformation(ArcherID) );";</pre> <pre> \$sql_create_personal_bests = " CREATE TABLE PersonalBests ( PBID INT PRIMARY KEY NOT NULL, ArcherID INT NOT NULL, RoundID INT NOT NULL, BestScore INT NOT NULL, FOREIGN KEY (ArcherID) REFERENCES ArcherInformation(ArcherID), FOREIGN KEY (RoundID) REFERENCES RoundDefinitions(RoundID) );";</pre> <pre> \$sql_create_archer_categories = " CREATE TABLE ArcherCategories ( CategoryID INT PRIMARY KEY NOT NULL, AgeGroup VARCHAR(255) NOT NULL, Gender ENUM('M', 'F', 'O') NOT NULL, DivisionID INT NOT NULL, FOREIGN KEY (DivisionID) REFERENCES Divisions(DivisionID) );";</pre>
3:00 PM	Data Cleaning, Inserting, Updating and Deleting:	@Tran Duc Anh Dang	<p>Here are some examples:</p> <p>INSERT:</p> <pre>INSERT INTO ArcherInformation (ArcherID, FirstName, LastName, Gender, DOB) VALUES (1, 'John', 'Doe', 'M', '1990-01-01');</pre> <p>UPDATE:</p> <pre>UPDATE ArcherInformation SET FirstName = 'Jane', LastName = 'Doe' WHERE ArcherID = 1;</pre> <p>DELETE:</p> <pre>DELETE FROM ArcherInformation WHERE ArcherID = 1;</pre>

## ✓ Action items



## -Decisions



# Project Team Health Monitor

**i** Use the project team health monitor template to keep track of your team's health. Keep this template in your team space and if there are any areas that you're not confident are green, dive into the plays to get back on track. For detailed facilitation instructions go to [health monitor for project teams](#).

Team name	Question Mark
Sponsor	
Health monitor cadence	This monitor will be update during the end of each week!

## 👩‍💻👨‍💻 Team health assessment

With your team, read the definition of each attribute of healthy, high-performing teams out loud. On the count of three have each person rate how they feel the team is doing compared to each definition (thumbs-up/green, thumbs-sideways/yellow, thumbs-down/red). Record the results of each attribute rating in the table. Highlight each cell using this color code: **HEALTHY** = "We're strong here", **BIT SICK** = "We're ok... but a little shaky", **SICK** = "We're not healthy".

Area	21 Apr 2023
▶ Leader	@Tran Duc Anh Dang is our leader and is working fine!
⚖️ Balanced team	As a team, I'm more than happy for team member working remotely whenever they want. Each week, we plan out the task that we suppose to be done during that week and have them down the meeting note or we complete those during team meeting. Team member has contribute a little bit on each part, some do more, some do less but we manage to complete all the works on time and meeting the deadline which is the most IMPORTANT things to do!
❤️ Shared understanding	Team member has share their thoughts on the one that we're working on such as, database table planning, ERD Diagram and other works. Everyone has shared what they have been during the week on the projects, why and how they do that
⌚ Value and metrics	As some still a little bit confusing especially the requirement from the task that we're working on but we all try our best to do as best as we could.
👉 Proof of concept	We currently have ERD Diagram sent to our tutorial and waiting to be checked and haven't yet receive and feedbacks. But during this weekend @Tran Duc Anh Dang will have them tested out and will have a proof of concept in earlier next week.
📄 One-pager	Our one-pager is the project page on our Confluence space.

 <b>Managed dependencies</b>	We don't really have outside dependencies beside our understandings
 <b>Velocity</b>	Our progress seems reasonable and currently on track on what we doing!

## Focus areas

Ask your team to collectively come up with one attribute you want to focus on. Then, call out ways to move the **SICK** or **BIT SICK** toward **HEALTHY**. Make sure they are actionable, specific, and measurable.

Date	Focus areas and action items
23 April 2023	<ul style="list-style-type: none"> <li><input type="checkbox"/> Receiving feedbacks from our teacher on ERD Diagram</li> <li><input type="checkbox"/> @Tran Duc Anh Dang will test out the database</li> </ul>

## Querry Command

```
-- -- Drop Tables

DROP TABLE IF EXISTS Rounds;
DROP TABLE IF EXISTS Ends_Table;
DROP TABLE IF EXISTS Ranges_Table;
DROP TABLE IF EXISTS Divisions;
DROP TABLE IF EXISTS ArcherCategories;
DROP TABLE IF EXISTS Scores;
DROP TABLE IF EXISTS ArcherInformation;
DROP TABLE IF EXISTS ClubCompetitions;
DROP TABLE IF EXISTS CompetitionResults;
DROP TABLE IF EXISTS PersonalBests;
-- -- Drop Trigger

DROP TRIGGER IF EXISTS update_max_score;
DROP TRIGGER IF EXISTS update_range_score;
DROP TRIGGER IF EXISTS check_end_count;
DROP TRIGGER IF EXISTS check_range_count;
DROP TRIGGER IF EXISTS update_total_score;

-- Round_Table
CREATE TABLE Rounds(
    RoundID INT NOT NULL AUTO_INCREMENT,
    RoundName VARCHAR(255) NOT NULL,
    NoOfDistances INT NOT NULL CHECK (NoOfDistances >= 2 AND NoOfDistances <= 4),
    NoOfEnds INT NOT NULL CHECK (NoOfEnds >= 4 AND NoOfEnds <= 6),
    TargetFaceSize ENUM('120cm', '80cm'),
    MAXSCORE INT NOT NULL,
    PRIMARY KEY (RoundID)
);
-- MaxScoreCaculation
DELIMITER $$

CREATE TRIGGER update_max_score
BEFORE INSERT ON Rounds
FOR EACH ROW
BEGIN
    SET NEW.MAXSCORE = 10 * NEW.NoOfDistances * NEW.NoOfEnds;
END$$
DELIMITER ;

-- End_Table
CREATE TABLE Ends_Table(
    EndID INT NOT NULL AUTO_INCREMENT,
    RoundID INT NOT NULL,
    Distances VARCHAR(3) NOT NULL,
    EndScore INT NOT NULL ,
    PRIMARY KEY (EndID),
    FOREIGN KEY (RoundID) REFERENCES Rounds(RoundID)
```

```

);

-- Range_Table
CREATE TABLE Ranges_Table(
    RangeID INT NOT NULL,
    RoundID INT NOT NULL ,
    Distances VARCHAR(3) NOT NULL,
    RangeScore INT NOT NULL,
    PRIMARY KEY (RangeID),
    FOREIGN KEY (RoundID) REFERENCES Rounds(RoundID),
    FOREIGN KEY (Distances) REFERENCES Ends_Table(Distances)
)

-- Divisions Table
CREATE TABLE Divisions (
    DivisionID INT PRIMARY KEY NOT NULL,
    DivisionName VARCHAR(255) NOT NULL,
    DefaultEquipment VARCHAR(255)
)

-- Archer Categories Table
CREATE TABLE ArcherCategories (
    CategoryID INT PRIMARY KEY NOT NULL,
    AgeGroup VARCHAR(255) NOT NULL,
    Gender ENUM('M', 'F', 'O') NOT NULL,
    DivisionID INT NOT NULL,
    FOREIGN KEY (DivisionID) REFERENCES Divisions(DivisionID)
)

-- Scores Table
CREATE TABLE Scores (
    ScoreID INT PRIMARY KEY NOT NULL,
    ArcherID INT NOT NULL,
    RoundID INT NOT NULL,
    DivisionID INT NOT NULL,
    CategoryID INT NOT NULL,
    DateTime DATETIME NOT NULL,
    TotalScore INT NOT NULL,
    FOREIGN KEY (ArcherID) REFERENCES ArcherInformation(ArcherID),
    FOREIGN KEY (RoundID) REFERENCES Rounds(RoundID),
    FOREIGN KEY (DivisionID) REFERENCES Divisions(DivisionID),
    FOREIGN KEY (CategoryID) REFERENCES ArcherCategories(CategoryID)
)

-- Archer Information Table
CREATE TABLE ArcherInformation (
    ArcherID INT PRIMARY KEY NOT NULL,
    FirstName VARCHAR(255) NOT NULL,
    LastName VARCHAR(255) NOT NULL,
    Gender ENUM('M', 'F', 'O') NOT NULL,
    DOB DATE NOT NULL
)

-- Club Competitions Table
CREATE TABLE ClubCompetitions (

```

```

CompetitionID INT PRIMARY KEY NOT NULL,
CompetitionName VARCHAR(255) NOT NULL,
CompetitionDate DATE NOT NULL,
IsChampionship BOOLEAN NOT NULL
)
-- Competition Results Table
CREATE TABLE CompetitionResults (
    ResultID INT PRIMARY KEY NOT NULL,
    CompetitionID INT NOT NULL,
    ArcherID INT NOT NULL,
    CategoryID INT NOT NULL,
    TotalScore INT NOT NULL,
    FOREIGN KEY (CompetitionID) REFERENCES ClubCompetitions(CompetitionID),
    FOREIGN KEY (ArcherID) REFERENCES ArcherInformation(ArcherID)
)
-- Personal Bests Table
CREATE TABLE PersonalBests (
    PBID INT PRIMARY KEY NOT NULL,
    ArcherID INT NOT NULL,
    RoundID INT NOT NULL,
    BestScore INT NOT NULL,
    FOREIGN KEY (ArcherID) REFERENCES ArcherInformation(ArcherID),
    FOREIGN KEY (RoundID) REFERENCES Rounds(RoundID)
)
-- TRIGGERS
-- Auto Sum to the table Range Table
DELIMITER $$

CREATE TRIGGER update_range_score
AFTER INSERT ON Ends_Table
FOR EACH ROW
BEGIN
    UPDATE Ranges_Table
    SET RangeScore = (
        SELECT SUM(EndScore)
        FROM Ends_Table
        WHERE RoundID = NEW.RoundID AND Distances = NEW.Distances
    )
    WHERE RoundID = NEW.RoundID AND Distances = NEW.Distances;
END $$

DELIMITER ;
-- Auto Sum to the table Scores
DELIMITER $$

CREATE TRIGGER update_total_score
AFTER INSERT ON Ranges_Table
FOR EACH ROW
BEGIN
    UPDATE Scores
    SET TotalScore = (
        SELECT SUM(RangeScore)
        FROM Ranges_Table
    )

```

```

        WHERE RoundID = New.RoundID
    )
    WHERE RoundID = NEW.RoundID;
END$$
DELIMITER ;

-- Check if the number of ends matches the NoOfEnds in the corresponding round
DELIMITER $$
CREATE TRIGGER check_end_count
AFTER INSERT ON Ends_Table
FOR EACH ROW
BEGIN
    DECLARE end_count INT;
    DECLARE expected_count INT;

    1  SELECT COUNT(*) INTO end_count
    2  FROM Ends_Table
    3  WHERE RoundID = NEW.RoundID;
    4
    5  SELECT NoOfEnds * NoOfDistances INTO expected_count
    6  FROM Rounds
    7  WHERE RoundID = NEW.RoundID;
    8
    9  IF end_count <> expected_count THEN
    10     SIGNAL SQLSTATE '45000'
    11     SET MESSAGE_TEXT = 'End count does not match expected count for round';
    12 END IF;

END $$

DELIMITER ;
-- Check if the number of ranges matches the NoOfDistances in the corresponding round
DELIMITER $$
CREATE TRIGGER check_range_count
AFTER INSERT ON Ranges_Table
FOR EACH ROW
BEGIN
    DECLARE range_count INT;
    DECLARE expected_count INT;

    1  SELECT COUNT(*) INTO range_count
    2  FROM Ranges_Table
    3  WHERE RoundID = NEW.RoundID;
    4
    5  SELECT NoOfDistances INTO expected_count
    6  FROM Rounds
    7  WHERE RoundID = NEW.RoundID;
    8
    9  IF range_count <> expected_count THEN
    10     SIGNAL SQLSTATE '45000'
    11     SET MESSAGE_TEXT = 'Range count does not match expected count for round';
    12 END IF;

END $$

DELIMITER ;

```



## Product requirements

Add Product requirements

---

# 4Ls retrospective

## 📋 Overview

Reflect back on what you and your team learned and what motivates the group to succeed by following the instructions for the 4Ls Retrospective Play.

Team	Team Question ?
Team members	@Tran Duc Anh Dang @Eloise Grant @LUAN NGUYEN
Date	31 May 2023

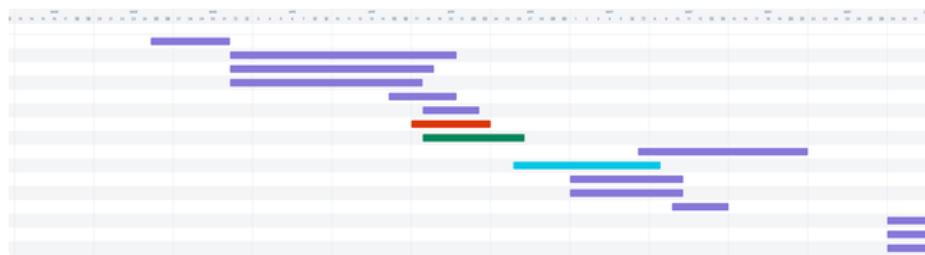
## 💡 4Ls retrospective

Milestones	Loved	Longed for	Loathed	Learned
	•	•	•	•
Team Work	Collaborate and Interact with other for different insights and approaches	Have a better interaction	A bit in Language barrier and sometimes miss communication	Better communication skill
Data Visualisation	Provide visualisation charts to illustrate the insights	Have a better appearance(have theme for the graphs)	Flawed or misleading visualizations can result from incomplete, inaccurate, or biased data. Prioritizing high-quality, unbiased data ensures accurate and trustworthy visual representations.	Provide different aspect of the problem that people can investigating in
Web Development	Using PHP, CSS, JS to design an interactive website that can update data in the database	Have a better skill in web design	Bugs	Back-end Development: server-side programming, managing databases, and handling server requests and responses
Database Design	The efficiency and quick data access of a well-organized database.	Better handling of complex data and improved analytics and ML integration.	Redundancy and anomalies leading to data inconsistency, and lack of scalability.	The importance of thorough planning, normalization, and learning from emerging database types.

## ⚡ Action plan

Action	Owner	Due date	Action items
Teamwork	@Tran Duc Anh Dang @Eloise Grant @LUAN NGUYEN	4 Jun 2023	Confluence
Database Design	@Tran Duc Anh Dang @Eloise Grant @LUAN NGUYEN	24 May 2023	SCRIPT CREATE DATABASE
Data Visualisation	@Tran Duc Anh Dang @LUAN NGUYEN	4 Jun 2023	PHP, JS D3.js
Website Features/Functions (Add, Update, Delete)	@Tran Duc Anh Dang @Eloise Grant @LUAN NGUYEN	31 May 2023	JS
Code Debug	@Tran Duc Anh Dang @LUAN NGUYEN	31 May 2023	PHP, JS
Final Checkover Code/Slides	@Tran Duc Anh Dang @Eloise Grant	31 May 2023	Powerpoint Slides
Video Script Planner	@LUAN NGUYEN	31 May 2023	Powerpoint Slides

## JIRA RoadMap



# Indexes

Based on the provided SQL statements, let's analyze each table and identify potential columns that could benefit from indexing:

1. `ArcherInfo` table:
  - No potential columns for indexing. The primary key column (`ArcherID`) is already indexed by default.
2. `Rounds` table:
  - No potential columns for indexing. The primary key column (`RoundName`) is already indexed by default.
3. `TargetFaceSizeDescription` table:
  - No potential columns for indexing. The primary key column (`Target`) is already indexed by default.
4. `EquipmentDescription` table:
  - No potential columns for indexing. The primary key column (`Equipment`) is already indexed by default.
5. `DefaultEquipment` table:
  - `RoundName` column: This column is a foreign key and already indexed by default due to referencing the primary key of `Rounds`.
6. `ClubCompetition` table:
  - No potential columns for indexing. The primary key column (`CompetitionID`) is already indexed by default.
7. `Category` table:
  - `ArcherID` column: This column is a foreign key and already indexed by default due to referencing the primary key of `ArcherInfo`.
  - `CompetitionID` column: This column is a foreign key and already indexed by default due to referencing the primary key of `ClubCompetition`.
  - `RoundName` column: This column is a foreign key and already indexed by default due to referencing the primary key of `Rounds`.
8. `EndScores` table:
  - `CategoryID` column: This column is a foreign key and already indexed by default due to referencing the primary key of `Category`.

Based on the analysis, the only potential column that may benefit from indexing is `CategoryID` in the `EndScores` table.

To create the index, you can use the following SQL statement:

```
1 CREATE INDEX idx_CategoryID ON EndScores (CategoryID);
```

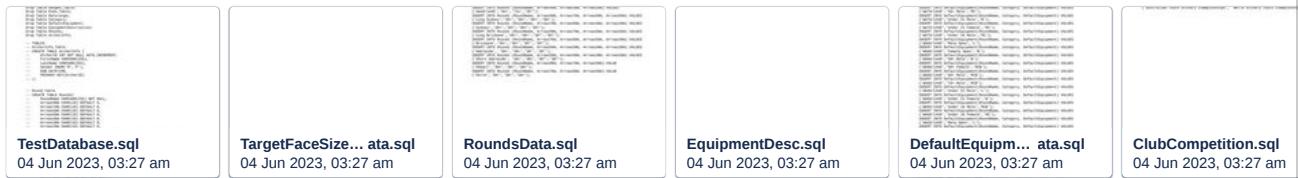
After creating the index, you can run the statement in question and observe whether the DBMS chooses to use the index. The exact behavior may depend on the specific DBMS you are using. You can check the execution plan or use tools like EXPLAIN to see if the index is being utilized.

If the index is not used or if it does not provide any performance improvement, you can remove it using the following SQL statement:

```
1 DROP INDEX idx_CategoryID ON EndScores;
```

Remember to evaluate the performance impact of the index before making a decision to keep or remove it.

# Document on data creation and null values



## Archer Infor

```
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Christoph', 'Cowie', 'M', '1960-09-12');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Nettie', 'Kerne', 'F', '1995-11-29');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Finley', 'Clawe', 'M', '1982-10-30');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Corbie', 'MacCulloch', 'M', '1965-05-19');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Shirlee', 'Higgan', 'F', '1967-11-28');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Benni', 'Deakes', 'F', '1975-11-15');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Vito', 'Reder', 'M', '1956-05-29');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Trix', 'Okenfold', 'F', '1990-07-24');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Franny', 'Hearons', 'F', '1988-05-08');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Hale', 'Quilty', 'M', '1997-01-13');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Moyna', 'Ashfold', 'F', '1964-04-04');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Mariellen', 'Dorie', 'F', '1988-06-02');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Janna', 'Matuszkiewicz', 'F', '1988-09-22');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Pierette', 'Merrgen', 'F', '1962-10-15');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Burk', 'Goodbur', 'M', '1973-02-04');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Humbert', 'Malarkey', 'M', '1975-11-19');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Gery', 'Britt', 'M', '1989-08-03');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Rees', 'Foat', 'M', '1967-09-09');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Hebert', 'Brusle', 'M', '1974-05-01');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Nathalie', 'Petrashev', 'F', '1981-05-08');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Terrye', 'Paradin', 'F', '1970-05-30');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Sybyl', 'Frampton', 'F', '1965-01-21');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Astra', 'Kerrigan', 'F', '1969-04-11');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Peyton', 'Maudlen', 'M', '1958-10-22');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Nannette', 'Fortnon', 'F', '1961-10-03');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Costa', 'Farnell', 'M', '2004-09-06');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Ric', 'Battista', 'M', '1998-03-22');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Maxwell', 'Tsarovic', 'M', '1983-03-11');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Natalie', 'Hirjak', 'F', '1951-10-29');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Randall', 'Grahman', 'M', '1953-07-13');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Nathanael', 'Shilton', 'M', '1974-08-02');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Remington', 'Hayler', 'M', '1984-07-09');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Riki', 'Cuffe', 'F', '1978-06-22');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Diane', 'Rowlin', 'F', '1996-12-18');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Kristy', 'Revitt', 'F', '1984-03-01');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Calhoun', 'Gontier', 'M', '1974-03-20');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Montgomery', 'Stallworth', 'M', '1958-09-14');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Kendell', 'Macbane', 'M', '1991-11-28');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Brigit', 'Brower', 'F', '1980-08-18');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Reginald', 'Mc Caughan', 'M', '1962-10-19');
```

```

insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Ariadne', 'L"Episcopi', 'F', '1950-03-17');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Angil', 'Kunz', 'F', '1958-05-13');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Sibby', 'Snibson', 'F', '1992-03-10');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Karin', 'Attow', 'F', '1968-06-10');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Hamish', 'Klemz', 'M', '2004-10-04');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Antonella', 'Anfusso', 'F', '2004-03-11');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Cobby', 'Rodd', 'M', '1985-04-17');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Doreen', 'Keward', 'F', '1975-02-23');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Cyrille', 'Claxson', 'M', '1998-02-04');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Demetrius', 'Wattisham', 'M', '1969-11-29');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Bank', 'Bricham', 'M', '1950-12-27');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Elianore', 'Jentet', 'F', '1981-02-25');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Ingelbert', 'Beddie', 'M', '1979-01-18');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Esther', 'Bapty', 'F', '1956-03-01');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Giustina', 'Garn', 'F', '2003-05-13');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Marney', 'Simion', 'F', '1971-05-01');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Alister', 'Sayce', 'M', '1992-08-26');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Neely', 'Kittiman', 'F', '1983-04-06');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Giulietta', 'MacWhirter', 'F', '1961-02-06');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Mirabel', 'Hackford', 'F', '1971-08-05');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Corbie', 'Timmes', 'M', '1961-06-20');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Corbie', 'Schaumaker', 'M', '1963-01-14');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Lindsay', 'Darbon', 'F', '1997-02-02');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Nikos', 'Casolla', 'M', '1975-08-31');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Fairfax', 'Fitzter', 'M', '1951-01-22');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Melania', 'Saunper', 'F', '1994-07-10');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Emelyne', 'Cowlard', 'F', '1998-07-07');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Budd', 'McIlrick', 'M', '1981-08-23');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Augustus', 'Newsham', 'M', '1992-05-31');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Marni', 'Balchen', 'F', '1968-01-25');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Hanni', 'Peniello', 'F', '1989-09-21');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Sarah', 'Forst', 'F', '1997-07-29');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Griz', 'Crichton', 'M', '1999-11-19');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Karon', 'Treeby', 'F', '1962-10-05');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Tally', 'Tumioto', 'F', '1993-06-08');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Doro', 'Droghan', 'F', '1983-01-06');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Hillery', 'Rubenovic', 'M', '1990-02-08');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Ola', 'Laverenz', 'F', '1979-03-25');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Lynnea', 'Cadell', 'F', '1965-03-02');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Audy', 'Early', 'F', '1983-12-05');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Floris', 'Mott', 'F', '1963-01-25');

insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Ida', 'Elsdon', 'F', '1972-08-30');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Jessamyn', 'Bradwell', 'F', '1987-09-22');

insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Tremaine', 'Chappelow', 'M', '1967-11-03');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Tiffanie', 'Cometti', 'F', '1997-12-18');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Eadith', 'Lawlan', 'F', '2005-07-10');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Shell', 'Margett', 'M', '1978-10-17');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Nataniel', 'Abrahm', 'M', '1994-03-22');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Malissia', 'Keling', 'F', '1968-05-25');

```

```
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Kalindi', 'Lahive', 'F', '1998-01-11');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Marcia', 'O"Donnell', 'F', '1976-12-29');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Sammy', 'Seabrooke', 'M', '1984-01-01');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Drucie', 'Lauder', 'F', '1965-10-02');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Avie', 'Gulston', 'F', '2001-08-07');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Feodor', 'Hellyer', 'M', '1965-09-17');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Alyss', 'Hackley', 'F', '1965-01-30');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Mayer', 'Bailes', 'M', '1992-05-10');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Gorden', 'Leney', 'M', '1951-07-27');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Douglass', 'Bessom', 'M', '1983-08-05');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Gerhard', 'Rowantree', 'M', '1980-06-10');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Saul', 'Narramor', 'M', '2005-11-10');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Ari', 'Beves', 'M', '1955-10-13');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Ivonne', 'Bursell', 'F', '1962-06-12');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Ellyn', 'O"Gaven', 'F', '1960-07-21');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Morissa', 'Wattam', 'F', '1952-09-12');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Angeline', 'Greenroyd', 'F', '1996-10-01');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Beatrisa', 'Gokes', 'F', '2004-07-11');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Jessamyn', 'Messenger', 'F', '1973-08-14');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Osbourne', 'Polglaze', 'M', '1963-05-12');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Hilary', 'Arys', 'M', '1950-09-15');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Todd', 'Sutterby', 'M', '1986-08-24');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Harlan', 'Whetnell', 'M', '1968-10-07');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Charleen', 'Youngman', 'F', '1975-12-16');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Ruthann', 'Feavearyear', 'F', '1955-04-16');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Kayne', 'Edgler', 'M', '1995-03-14');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Carol-jean', 'Ivakin', 'F', '1962-02-02');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Merwyn', 'Letty', 'M', '1965-09-09');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Jolene', 'Tryme', 'F', '1963-12-11');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Rora', 'O'Hartigan', 'F', '1999-09-21');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Pearla', 'Simonson', 'F', '2002-08-15');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Floyd', 'Beach', 'M', '1995-07-13');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Jocelin', 'Larsen', 'F', '1977-11-28');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Jaye', 'Jelkes', 'M', '1992-01-30');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Yanaton', 'Haughton', 'M', '1998-10-30');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Jenica', 'Pragnall', 'F', '1996-04-13');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Josias', 'Shillabear', 'M', '1991-01-31');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Mil', 'Collingwood', 'F', '1956-04-27');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Colet', 'Blonden', 'M', '1984-05-14');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Cristian', 'Salvador', 'M', '1996-09-04');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Hendrika', 'Ionesco', 'F', '1952-06-12');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Deeann', 'Dellenbrook', 'F', '1977-11-22');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Opalina', 'Antwis', 'F', '1976-09-06');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Nadine', 'Galley', 'F', '1951-06-15');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Raimondo', 'Thurston', 'M', '1960-06-20');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Noel', 'Hasard', 'F', '1954-03-15');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Gail', 'Puttrell', 'F', '1984-11-16');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Cate', 'Harral', 'F', '1983-07-30');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Orsa', 'Plaster', 'F', '1984-11-05');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Karlotta', 'Creamen', 'F', '1968-05-27');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Terencio', 'Abels', 'M', '1991-10-04');
```

```
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Josee', 'Aldis', 'F', '2003-11-25');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Philipa', 'McCaighey', 'F', '1975-01-31');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Francois', 'Joburn', 'M', '1962-09-14');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Aubrie', 'Courtes', 'F', '1957-10-08');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Georas', 'Flode', 'M', '1965-05-05');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Jeanna', 'Yude', 'F', '1993-06-27');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Heath', 'Trustrie', 'F', '1992-08-21');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Denys', 'Bandey', 'F', '1986-12-31');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Robinetta', 'Chetwin', 'F', '1963-03-09');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Tiffy', 'Yanuk', 'F', '1981-05-09');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Wells', 'Cranney', 'M', '1989-08-16');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Marissa', 'Haslehurst', 'F', '1978-01-08');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Flemming', 'Winkell', 'M', '1984-02-21');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Demeter', 'Hulburd', 'F', '2005-07-20');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Bart', 'Henrionot', 'M', '1961-10-22');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Gisella', 'Pashbee', 'F', '1973-09-20');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Justinian', 'Densell', 'M', '1959-03-30');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Katya', 'Crilly', 'F', '1955-05-02');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Dell', 'Flippelli', 'M', '1957-07-25');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Chet', 'Wootton', 'M', '1981-07-15');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Welch', 'Mapson', 'M', '1987-12-17');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Jerrold', 'Coysh', 'M', '1985-11-30');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Cornela', 'Enticknap', 'F', '2004-01-06');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Orazio', 'Halsted', 'M', '1951-12-15');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Arlyn', 'Sherwyn', 'F', '1962-02-13');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Dagny', 'Ruecastle', 'M', '1957-06-09');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Nessi', 'Tomsa', 'F', '1979-01-05');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Addy', 'Brigginshaw', 'M', '1956-01-04');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Massimo', 'Mayston', 'M', '1988-06-11');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Rolland', 'Lubomirski', 'M', '1984-04-05');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Celestia', 'Braam', 'F', '1968-10-23');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Anstice', 'Dickinson', 'F', '1969-12-26');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Harper', 'Pavkovic', 'M', '1987-09-08');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Hercules', 'Brisker', 'M', '2003-06-19');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Pembroke', 'Kamien', 'M', '1986-05-18');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Priscella', 'Golland', 'F', '1981-09-29');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Emily', 'Novotne', 'F', '1994-08-12');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Amby', 'Willimott', 'M', '1997-03-04');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Felita', 'Pashenkov', 'F', '1972-11-09');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Cecil', 'Tome', 'F', '1993-03-22');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Cordula', 'Style', 'F', '1996-10-06');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Amberly', 'Iscowitz', 'F', '1996-05-17');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Herman', 'Andrichuk', 'M', '2000-04-07');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Suzi', 'Kordt', 'F', '1978-09-16');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Darda', 'Fransewich', 'F', '1973-11-04');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Oren', 'Cavanagh', 'M', '1971-11-09');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Netta', 'Womersley', 'F', '1994-05-26');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Gabriella', 'Windley', 'F', '1954-08-26');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Maybelle', 'Blonfield', 'F', '1978-12-06');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Schuyler', 'Jump', 'M', '1980-06-22');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Gilbertina', 'Jostan', 'F', '1997-09-05');
```

```

insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Ade', 'Dallan', 'M', '1999-11-07');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Yank', 'Sanger', 'M', '1985-04-02');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Amil', 'Scrooby', 'F', '1989-11-07');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Davin', 'Denyukhin', 'M', '1969-03-10');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Vernon', 'Lasham', 'M', '1953-11-10');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Meris', 'Garnar', 'F', '1987-11-01');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Julina', 'O'Gleasane', 'F', '1998-03-20');

insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Timothee', 'Isaksson', 'M', '1983-12-22');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Eugenius', 'Tommaseo', 'M', '1955-10-12');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Royce', 'Chestnutt', 'M', '1962-07-22');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Bondie', 'Diprose', 'M', '1973-01-29');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Jeramey', 'Guymer', 'M', '1985-04-08');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Jannelle', 'Jasiak', 'F', '1950-02-17');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Uriah', 'Tousey', 'M', '2002-09-28');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Joleen', 'Casburn', 'F', '1956-08-16');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Codie', 'Matityahu', 'M', '1992-06-29');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Far', 'FitzGilbert', 'M', '1952-07-03');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Karee', 'Cookman', 'F', '1998-08-03');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Rahel', 'Cowap', 'F', '1987-04-01');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Appolonia', 'Dewdney', 'F', '1983-07-06');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Brooks', 'Mayers', 'F', '1996-09-29');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Aymer', 'Huller', 'M', '2000-11-27');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Cristionna', 'Pena', 'F', '1971-09-22');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Caralie', 'Odeson', 'F', '2004-04-08');
insert into ArcherInfo (FirstName, LastName, Gender, DOB) values ('Roseline', 'Caccavale', 'F', '1997-07-06');

```

### Target Face Size

```

INSERT INTO Category (ArcherID,CompetitionID, RoundName, Class, Equipment, ResgisterYear) VALUES ('10001','10006', 'WA70/1440', 'Female Open',NULL,'2013');
INSERT INTO Category (ArcherID,CompetitionID, RoundName, Class, Equipment,ResgisterYear) VALUES ('10001','10003', 'AA50/1440', 'Female Open',NULL,'2021');

```

### Target Face Size Description

```

INSERT INTO TargetFaceSizeDescription VALUES ("*","80cm");
INSERT INTO TargetFaceSizeDescription VALUES ("+","122cm");
INSERT INTO TargetFaceSizeDescription VALUES ("x","80cm and 122cm");

```

### Club Competition

```

INSERT INTO ClubCompetition (CompetitionName, Championship) VALUES
('Australian Target Championships', 'World Archery Championships'),
('Australian Field Championships', 'World Archery Field Championships'),
('Oceania Challenge', 'World Archery Oceania Championships'),
('Australian Indoor Championships', NULL),

```

('Australian 3D Championships', NULL),  
('Australian Bowhunting Championships', NULL),  
('Australian Para Archery Championships', 'World Archery Para Championships'),  
('Australian Youth Archery Championships', 'World Archery Youth Championships');

### **Default Equipment**

```
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA90/1440','Male Open','RC');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA90/1440','Under 21 Male','RC');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA70/1440','Male Open','B');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA70/1440','Female Open','RC');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA70/1440','50+ Male','RC');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA70/1440','Under 21 Male','B');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA70/1440','Under 21 Female','RC');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA70/1440','Under 18 Male','RC');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA60/1440','Male Open','L');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA60/1440','Female Open','B');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA60/1440','50+ Male','B');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA60/1440','50+ Female','RCB');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA60/1440','60+ Male','RCB');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA60/1440','70+ Male','RCB');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA60/1440','Under 21 Male','L');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA60/1440','Under 21 Female','B');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA60/1440','Under 18 Male','RCB');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('WA60/1440','Under 18 Female','RC');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA50/1440','Male Open','L');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA50/1440','Female Open','L');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA50/1440','50+ Male','L');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA50/1440','50+ Female','L');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA50/1440','60+ Male','L');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA50/1440','60+ Female','RCBL');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA50/1440','70+ Male','L');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA50/1440','60+ Female','RCBL');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA50/1440','Under 21 Female','L');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA50/1440','Under 18 Male','L');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA50/1440','Under 18 Female','BL');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA50/1440','Under 16 Male','RC');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA50/1440','Under 16 Female','RC');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA40/1440','Under 16 Male','BL');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA40/1440','Under 16 Female','BL');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA40/1440','Under 14 Male','RCBL');  
INSERT INTO DefaultEquipment(RoundName, Category, DefaultEquipment) VALUES ('AA40/1440','Under 14 Female','RCBL');
```

### **Equipment Description**

```
INSERT INTO EquipmentDescription(Equipment,EquipmentDescription) VALUES ('R','Recurve');  
INSERT INTO EquipmentDescription(Equipment,EquipmentDescription) VALUES ('C','Compound');  
INSERT INTO EquipmentDescription(Equipment,EquipmentDescription) VALUES ('B','Recurve/Compound Barebow');  
INSERT INTO EquipmentDescription(Equipment,EquipmentDescription) VALUES ('L','Longbow');
```

### **Rounds**

```
INSERT INTO Rounds (RoundName, Arrows90m, Arrows70m, Arrows50m, Arrows30m) VALUES ('WA90/1440', '36+', '36+', '36*', '36*');
INSERT INTO Rounds (RoundName, Arrows70m, Arrows60m, Arrows50m, Arrows30m) VALUES ('WA70/1440', '36+', '36+', '36*', '36*');
INSERT INTO Rounds (RoundName, Arrows60m, Arrows50m, Arrows40m, Arrows30m) VALUES ('WA60/1440', '36+', '36+', '36*', '36*');
INSERT INTO Rounds (RoundName, Arrows50m, Arrows40m, Arrows30m, Arrows20m) VALUES ('AA50/1440', '36+', '36+', '36*', '36*');
INSERT INTO Rounds (RoundName, Arrows40m, Arrows30m, Arrows20m) VALUES ('AA40/1440', '36+', '72x', '36*');
INSERT INTO Rounds (RoundName, Arrows90m, Arrows70m, Arrows60m, Arrows50m) VALUES ('Long Sydney', '30+', '30+', '30+', '30+');
INSERT INTO Rounds (RoundName, Arrows70m, Arrows60m, Arrows50m, Arrows40m) VALUES ('Sydney', '30+', '30+', '30+', '30+');
INSERT INTO Rounds (RoundName, Arrows90m, Arrows70m, Arrows60m, Arrows50m) VALUES ('Long Brisbane', '30+', '30+', '30*', '30*');
INSERT INTO Rounds (RoundName, Arrows70m, Arrows60m, Arrows50m, Arrows40m) VALUES ('Brisbane', '30+', '30+', '30*', '30*');
INSERT INTO Rounds (RoundName, Arrows60m, Arrows50m, Arrows40m, Arrows30m) VALUES ('Adelaide', '30+', '30+', '30*', '30*');
INSERT INTO Rounds (RoundName, Arrows50m, Arrows40m, Arrows30m, Arrows20m) VALUES ('Short Adelaide', '30+', '30+', '30*', '30*');
INSERT INTO Rounds (RoundName, Arrows90m, Arrows70m, Arrows50m) VALUE ('Hobart', '30+', '30+', '30+');
INSERT INTO Rounds (RoundName, Arrows70m, Arrows60m, Arrows50m) VALUE ('Perth', '30+', '30+', '30+');
```

# MAJOR – A.I/DATASCIENCE

The purpose of this SQL code is to calculate and display the distribution of genders among the archers. It extracts the gender data from the 'ArcherInfo' table, counts the number of occurrences for each gender, and groups them accordingly.

In the PHP script, a function named 'getGenderDistribution()' is defined to establish a connection with the database and execute the SQL query. If there's an error during the connection process, the script will output an error message and terminate.

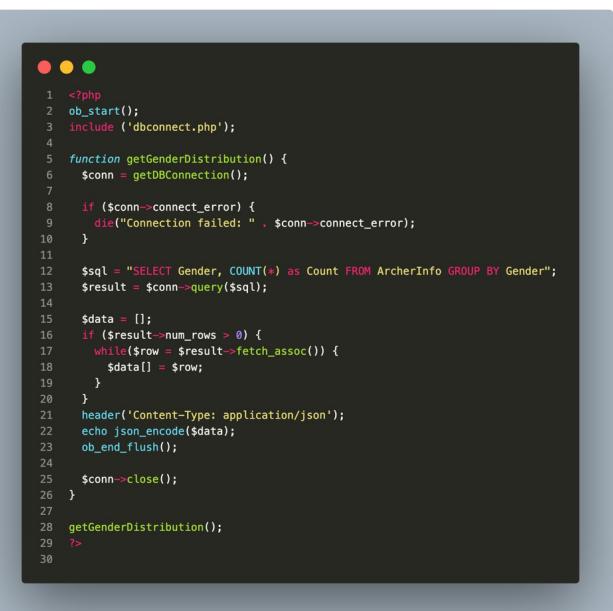
The SQL query - "SELECT Gender, COUNT(\*) as Count FROM ArcherInfo GROUP BY Gender" - fetches the gender and the corresponding count from the 'ArcherInfo' table. The 'GROUP BY' clause is used to group the result-set by the 'Gender' column, which in this case is either 'M' for Male or 'F' for Female.

Once the query is executed, the result is fetched as an associative array and then encoded in JSON format for further use, such as visualizing the data or presenting it in a different form on the webpage. The output is a clear representation of the gender distribution in the archery club.

This function provides a straightforward way to understand the gender balance within the club and could be used to inform initiatives to promote gender equality or diversification in the club's activities.

This SQL query is designed to calculate and illustrate the distribution of archers according to their classes. It extracts class data from the 'Category' table and counts the number of occurrences for each unique class, thereby grouping the results by each class.

In the PHP function named 'getClassDistribution()', the script initiates a connection with the database and runs the SQL query. If there's an error during the connection, the script will throw an error message and halt.



```
1 <?php
2 ob_start();
3 include ('dbconnect.php');
4
5 function getGenderDistribution() {
6     $conn = getDBConnection();
7
8     if ($conn->connect_error) {
9         die("Connection failed: " . $conn->connect_error);
10    }
11
12 $sql = "SELECT Gender, COUNT(*) as Count FROM ArcherInfo GROUP BY Gender";
13 $result = $conn->query($sql);
14
15 $data = [];
16 if ($result->num_rows > 0) {
17     while($row = $result->fetch_assoc()) {
18         $data[] = $row;
19     }
20 }
21 header('Content-Type: application/json');
22 echo json_encode($data);
23 ob_end_flush();
24
25 $conn->close();
26 }
27
28 getGenderDistribution();
29 ?>
```

Figure 1

The SQL statement - "SELECT Class, COUNT(\*) as Count FROM Category GROUP BY Class" - fetches the class name and corresponding count from the 'Category' table. The 'GROUP BY' clause allows the grouping of the result-set by the 'Class' column, hence showing the number of archers in each class.

Post execution of the query, the results are fetched as an associative array and then converted into JSON format for easy interpretation and further usage such as data visualizations or web page displays.

This function provides a succinct way to understand the distribution of archers across different classes in the club. It can be instrumental in decision-making processes related to class-specific training, resource allocation, and event planning.

This slide showcases the distribution of archery equipment usage among the club's archers. The PHP function 'getEquipmentUsage()' executes a SQL query that groups and counts the occurrences of each unique equipment type in the 'Category' table.

The connection to the database is established at the beginning of the function, and the SQL query "SELECT Equipment, COUNT(\*) as Count



```
1 <?php
2 ob_start();
3 include ('dbconnect.php');
4
5 function getClassDistribution() {
6     $conn = getDBConnection();
7
8     if ($conn->connect_error) {
9         die("Connection failed: " . $conn->connect_error);
10    }
11
12 $sql = "SELECT Class, COUNT(*) as Count FROM Category GROUP BY Class";
13 $result = $conn->query($sql);
14
15 $data = [];
16 if ($result->num_rows > 0) {
17     while($row = $result->fetch_assoc()) {
18         $data[] = $row;
19     }
20 }
21 header('Content-Type: application/json');
22 echo json_encode($data);
23 ob_end_flush();
24
25 $conn->close();
26 }
27
28 getClassDistribution();
29 ?>
```

Snipped

Figure 2

FROM Category GROUP BY Equipment" is executed. This query retrieves the type of equipment and its corresponding usage count, grouping these data by the equipment type.

We have predefined equipment labels ('B' for 'Recurve/Compound Barebow', 'C' for 'Compound', 'L' for 'Longbow', and 'R' for 'Recurve'). These are used to map the equipment codes to their full descriptions.

If an equipment code is encountered that isn't defined in the 'equipmentLabels' array, the 'getEquipmentDescription()' function is called. This function fetches the corresponding equipment description from the 'EquipmentDescription' table in the database. If the equipment description is found, it's used; otherwise, the code itself is used.

```
 1 <?php
 2 ob_start();
 3 include ('dbconnect.php');
 4
 5 function getEquipmentUsage() {
 6   $conn = getDBConnection();
 7
 8   if ($conn->connect_error) {
 9     die("Connection failed: " . $conn->connect_error);
10   }
11
12   $sql = "SELECT Equipment, COUNT(*) as Count FROM Category GROUP BY Equipment";
13   $result = $conn->query($sql);
14
15   $equipmentLabels = [
16     'B' => 'Recurve/Compound Barebow',
17     'C' => 'Compound',
18     'L' => 'Longbow',
19     'R' => 'Recurve'
20   ];
21
22   $data = [];
23   if ($result->num_rows > 0) {
24     while($row = $result->fetch_assoc()) {
25       $equipment = $row['Equipment'];
26       $equipmentNames = [];
27       for ($i = 0; $i < strlen($equipment); $i++) {
28         $code = $equipment[$i];
29         if (isset($equipmentLabels[$code])) {
30           $equipmentNames[] = $equipmentLabels[$code];
31         } else {
32           // Fetch the equipment description from the EquipmentDescription table
33           $equipmentDesc = getEquipmentDescription($conn, $code);
34           $equipmentNames[] = $equipmentDesc ? $equipmentDesc : $code;
35         }
36     }
37   }
38 }
```

Figure 3

After processing each row of data, the results are converted into JSON format for compatibility and ease of use in further data visualization and analysis.

Understanding the equipment usage among archers helps in inventory management, decision-making for training programs, and identifying trends in equipment preferences.

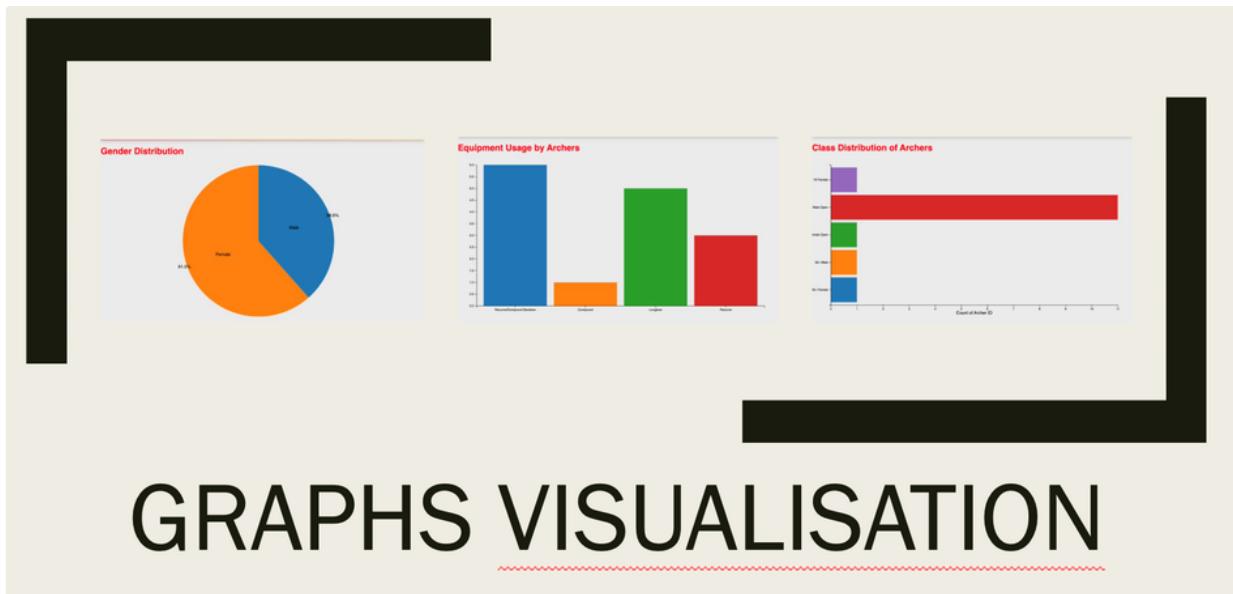
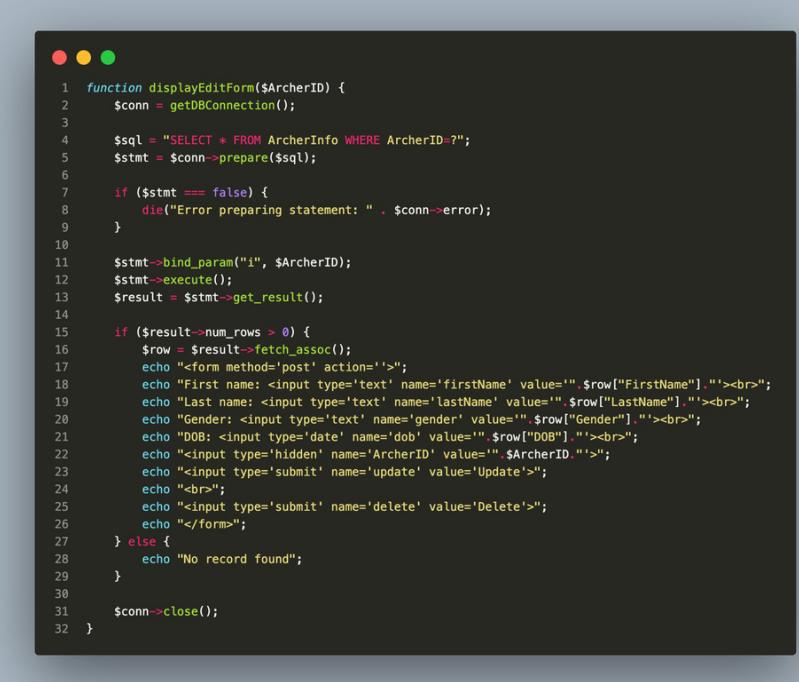


Figure 4

# MAJOR – SOFTWARE DEVELOPMENT

This slide explains the PHP code for adding, updating, displaying, and deleting archer information from our archery club database.

- `addArcherInfo()` is a function to add new archers' data to the `ArcherInfo` table. It accepts the archer's first name, last name, gender, and date of birth (DOB) as arguments. After inserting the data into the database, it will display a success message if the operation is successful or an error message if it fails.
- `displayArcherInfo()` is a function that retrieves and displays existing archers' data from the database in a tabular form.
- `displayArcherSelection()` function fetches all the archers from the database and shows them in a dropdown list, providing an option to edit an archer's information.
- `displayEditForm()` is a function that displays the editable form for an archer's information, pre-filled with the current information of the selected archer. This function also provides the option to delete the archer's record.



```
1 function displayEditForm($ArcherID) {
2     $conn = getDBConnection();
3
4     $sql = "SELECT * FROM ArcherInfo WHERE ArcherID=?";
5     $stmt = $conn->prepare($sql);
6
7     if ($stmt === false) {
8         die("Error preparing statement: " . $conn->error);
9     }
10
11     $stmt->bind_param("i", $ArcherID);
12     $stmt->execute();
13     $result = $stmt->get_result();
14
15     if ($result->num_rows > 0) {
16         $row = $result->fetch_assoc();
17         echo "<form method='post' action=''>";
18         echo "First name: <input type='text' name='firstName' value='".$row["FirstName"]."'"><br>";
19         echo "Last name: <input type='text' name='lastName' value='".$row["LastName"]."'"><br>";
20         echo "Gender: <input type='text' name='gender' value='".$row["Gender"]."'"><br>";
21         echo "DOB: <input type='date' name='dob' value='".$row["DOB"]."'"><br>";
22         echo "<input type='hidden' name='ArcherID' value='".$ArcherID."'>";
23         echo "<input type='submit' name='update' value='Update'>";
24         echo "<br>";
25         echo "<input type='submit' name='delete' value='Delete'>";
26         echo "</form>";
27     } else {
28         echo "No record found";
29     }
30
31     $conn->close();
32 }
```

`updateArcherInfo()` is a function to update an archer's information in the database based on the submitted form data. After updating the record, it will display a success message if the operation is successful or an error message if it fails.

`deleteArcherInfo()` is a function that deletes a record from the `ArcherInfo` table based on the selected archer. After deleting the record, it will display a success message if the operation is successful or an error message if it fails.

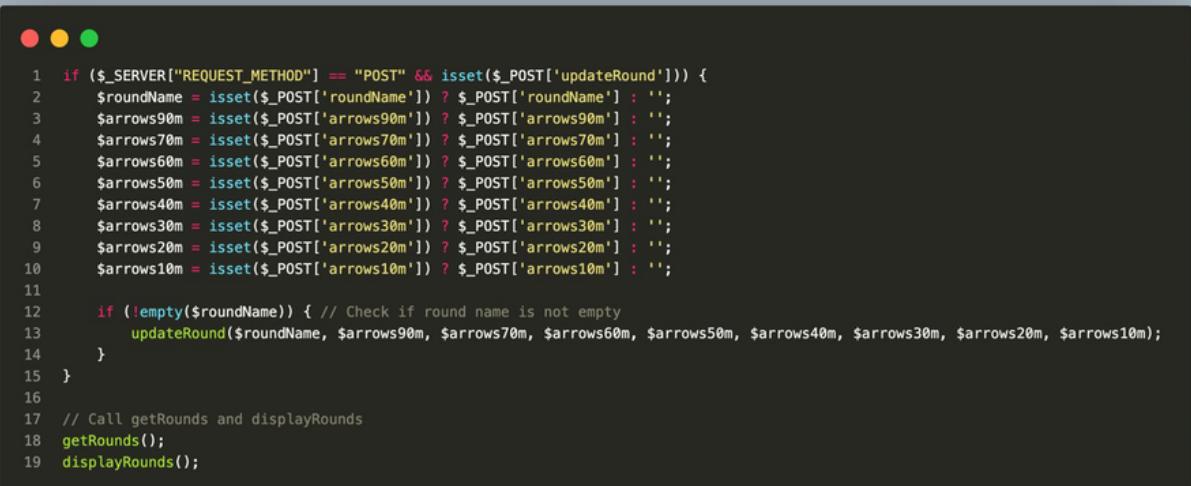
At the end of the script, it checks if the 'edit' button is clicked to display the edit form for the selected archer; otherwise, it shows the archer selection dropdown. Then it calls `displayArcherInfo()` to display all archers' information.

Figure 1

This PHP script includes functions to add, update, delete, display, and select rounds of archery from a database. It uses the POST method to handle the form data. Here's an overview of what each function does:

- `addRound()`: This function adds a new round to the `Rounds` table in your database. It uses a prepared statement to prevent SQL injection. The `roundName` and the number of arrows for each distance (90m, 70m, etc.) are provided as parameters.
- `displayRounds()`: This function displays all the rounds present in the `Rounds` table in tabular form.
- `getRounds()`: This function provides a dropdown list to select a round from all the available rounds in the `Rounds` table. The selected round's information can then be used for updating or deleting.
- `updateRound()`: This function updates the number of arrows for each distance for a given round. The `roundName` is provided as a parameter. Like the `addRound` function, it uses a prepared statement to prevent SQL injection.
- `deleteRound()`: This function deletes a specific round from the `Rounds` table based on the provided `roundName`.

In the main part of the script, it checks whether a form was submitted and if the request method was POST. Depending on the input received, it calls one of the above functions. At the end of the script, it calls `getRounds()` and `displayRounds()` to display the current state of the `Rounds` table.



```

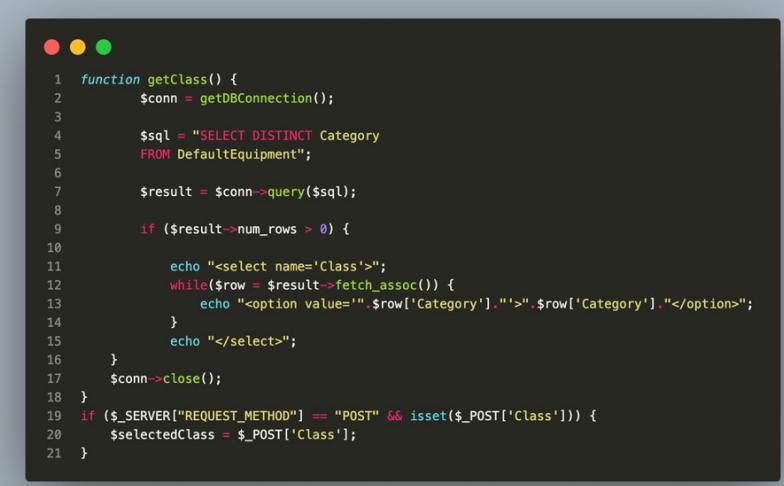
1  if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST['updateRound'])) {
2      $roundName = isset($_POST['roundName']) ? $_POST['roundName'] : '';
3      $arrows90m = isset($_POST['arrows90m']) ? $_POST['arrows90m'] : '';
4      $arrows70m = isset($_POST['arrows70m']) ? $_POST['arrows70m'] : '';
5      $arrows60m = isset($_POST['arrows60m']) ? $_POST['arrows60m'] : '';
6      $arrows50m = isset($_POST['arrows50m']) ? $_POST['arrows50m'] : '';
7      $arrows40m = isset($_POST['arrows40m']) ? $_POST['arrows40m'] : '';
8      $arrows30m = isset($_POST['arrows30m']) ? $_POST['arrows30m'] : '';
9      $arrows20m = isset($_POST['arrows20m']) ? $_POST['arrows20m'] : '';
10     $arrows10m = isset($_POST['arrows10m']) ? $_POST['arrows10m'] : '';
11
12     if (!empty($roundName)) { // Check if round name is not empty
13         updateRound($roundName, $arrows90m, $arrows70m, $arrows60m, $arrows50m, $arrows40m, $arrows30m, $arrows20m, $arrows10m);
14     }
15 }
16
17 // Call getRounds and displayRounds
18 getRounds();
19 displayRounds();

```

Figure 2

In this PHP script, we have defined several functions to fetch competition data, archer names, equipment details, and class categories from the database. Each function fetches relevant data from the database and generates a dropdown menu so that a user can select an option when creating a new category.

- The getCompetition() function retrieves all competitions from the ClubCompetition table and generates a dropdown menu.
- The getArcherName() function retrieves all archer names from the ArcherInfo table and generates another dropdown menu.
- The getEquipment() function retrieves equipment data from the EquipmentDescription table and creates a dropdown menu with it.
- The getClass() function fetches the distinct categories from the DefaultEquipment table and generates a dropdown menu.
- The getYears() function generates options for years from the current year back to 1980.



```

1  function getClass() {
2      $conn = getDBConnection();
3
4      $sql = "SELECT DISTINCT Category
5            FROM DefaultEquipment";
6
7      $result = $conn->query($sql);
8
9      if ($result->num_rows > 0) {
10
11          echo "<select name='Class'>";
12          while($row = $result->fetch_assoc()) {
13              echo "<option value='".$row['Category']."'>".$row['Category']."</option>";
14          }
15          echo "</select>";
16      }
17      $conn->close();
18  }
19  if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST['Class'])) {
20      $selectedClass = $_POST['Class'];
21  }

```

Figure 3

After a user makes their selections and submits the form, the script inserts the new category into the Category table in the database. It includes the archer's ID, competition ID, round name, class, equipment, and the registration year. If the category is added successfully, a success message is displayed; otherwise, the SQL error is printed.

Add a Round

Round name:

Arrows 90m

Arrows 70m

Arrows 60m

Arrows 50m

Arrows 40m

Arrows 30m

Arrows 20m

Arrows 10m

**ADD ROUND**

Update Rounds

AA

**SELECT**

Archer Information

First name:

Last name:

Gender:

Date of Birth:

**SUBMIT**

Update Archer Information

Christoph Cowie

**EDIT**

Add Category

Round name: AA

Competition: Australian Target Championships

Archer Name: Christoph Cowie

Equipment: Recurve/Compound Barebow

Class: Male Open

Year: 2023

**ADD CATEGORY**

# WEBSITE FEATURES

Figure 4