

SPORTS

ATHLETIC EQUIPMENT INVENTORY



>TEAM

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OBJECTIVES

01

- Safety
- Durability
- User Accessibility
- cost-Effectiveness
- Sustainability
- Versatility



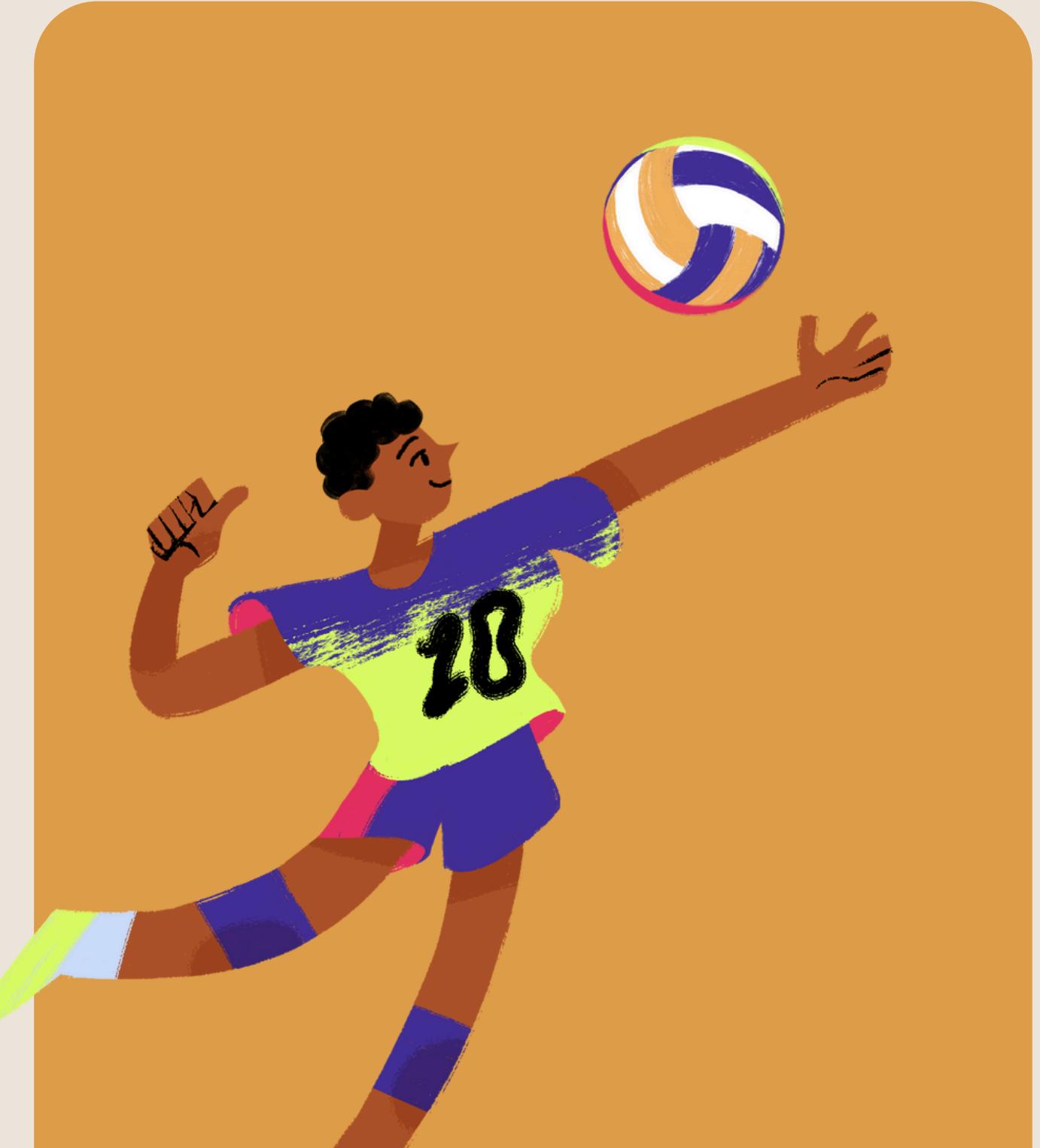
INTRO:

- Athletic equipment plays a crucial role in enhancing performance, safety, and enjoyment in sports and fitness activities.
- Whether for individual training or team sports, the right equipment ³² can significantly impact physical development and overall athletic ability.
- From weights and resistance bands to mats and protective gear, choosing high-quality, versatile equipment tailored to specific goals is essential for athletes of all levels.
- This presentation will explore key types of athletic equipment, their benefits, and considerations for selection to optimize training and performance.



ALGORITHM

- Initialize Inventory: Create an Inventory object, which contains an empty list to hold equipment items.
 - Display Menu: Present the user with options:
 - a. Add Equipment
 - b. View Equipment
 - c. Update Equipment
 - d. Delete Equipment
 - e. Exit
1. User Input: Prompt the user to select an option from the menu.
 2. Invalid Input:
If the user enters an invalid option, display an error message and re-display the menu.
 3. Repeat:
Continue looping through the menu until the user selects the exit option.



CODE RESULT

```
1. Add Equipment
2. View Equipment
3. Update Equipment
4. Delete Equipment
5. Exit
Enter your choice: 3
Enter Equipment ID to Update: 00013
Enter New Name (leave blank to skip):
Enter New Category (leave blank to skip):
Enter New Quantity (leave blank to skip): 111
Equipment ID 00013 updated.
```

```
1. Add Equipment
2. View Equipment
3. Update Equipment
4. Delete Equipment
5. Exit
Enter your choice: 2
+-----+-----+-----+-----+
|   ID |   Name    | Category |   Quantity  |
+=====+=====+=====+=====+
| 00013 | javelin | ...xyz  |      111 |
+-----+-----+-----+-----+
```

```
1. Add Equipment
2. View Equipment
3. Update Equipment
4. Delete Equipment
5. Exit
Enter your choice: 1
Enter Equipment ID: 00012
Enter Equipment Name: Realy baton
Enter Equipment Category: ...abc
Enter Quantity: 106
```

PROBLEM STATEMENTS

- Lack of Centralized Tracking:
- Inventory Mismanagement:
- Difficulty in Updating Information:
- Time-Consuming Processes:
- Lack of Accountability:

play

- Mobile App Support: Enable remote inventory management via a mobile app for easy access and updates.
- Automated Alerts: Set notifications for low stock, maintenance, or equipment replacement needs.
- Maintenance Scheduling: Track and schedule equipment repairs and replacements.
- Analytics & Reporting: Provide data insights on equipment usage, budgeting, and purchasing decisions.
- Multi-User Access: Add role-based permissions for staff to access specific features.
- Accounting Integration: Sync with budgeting software for streamlined expense management.
- Cloud Backup: Move to cloud storage for secure, accessible data.
- Predictive Analytics: Use AI to forecast future equipment needs based on usage trends.
- Multi-Location Inventory: Share inventory data across multiple sites for efficient equipment distribution.

CONCLUSION

In conclusion, an athletic equipment inventory system enhances the management of resources, saves time, and reduces the chances of equipment mismanagement or loss. It helps ensure that athletes always have the necessary equipment available, and staff can monitor inventory in a streamlined manner.

THANK YOU

