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**SPECIALTIES OF INVENTORY MANAGEMENT IN A
RECREATIONAL AND SPORTS CENTER**

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Research on inventory management techniques is widely observed in literature. Although no study to date examined the inventory management methods in recreational and sports centers. The leading goal of the study is to apply existing efficient approaches from the inventory perspective to tennis academies' logistics systems. The generalized review on models of inventory management is professionally composed by Serhii Ziukov and demonstrates different models that can be introduced in tennis industry [1].

Classification and demand analysis are used as methods of inventory management. The emphasis on inventory factor is connected with the fact that one of the most urgent issues in logistics industry was connected with stocks to be carried out for optimal functioning of any company and a similar pattern concerns supplier relationship as it relates to the list of business processes. The key subsystem stresses the tennis organization's management of the school type on internal inventory as it allows to plan efficiently and to balance between the

demand and supply increasing customer satisfaction. The general catalog of purchased goods from the inventory perspective includes such categories as tennis equipment, stationary items and household supplies. Following the above-mentioned study demand can be stationary or dynamic. The demand classification is based on data provided by International Tennis Academy [2].

Table 1.1 Quantity of monthly purchased tennis equipment in ITA Arena

Tennis equipment			
	List of items	Quantity	Demand
Tennis balls	Red balls	8 boxes	Stationary
	Orange balls	4 boxes	Stationary
	Green balls	14 boxes	Stationary
	Pro/Championship balls	20 boxes	Dynamic
Additional items	Steps	2 elements	Stationary
	Cones	2 elements	Stationary
	Sticks	5 elements	Stationary
	Columns	1 element	Stationary
	Nets	1 element	Stationary

In our case, the demand is deterministic as computed with certainty, the purchased positions of tennis equipment are mostly stationary as there are no fluctuations in its demand, despite the Pro/Championship balls that can have variations in time as the product refers to special tennis teams that have an individual plan that include tournaments' preparations or additional training seminars, away matches that require extensive use of Pro/Championship balls.

To conclude general model of classification reveals that most of tennis equipment items have a stationary demand that facilitates the purchasing system. Standard models of inventory management can be applied to tennis industry.

List of references

1. Serhii Ziukov. A literature review on models of inventory management under uncertainty. URL: <http://surl.li/bqzgh> (Last accessed: 1.04.2022).
2. International Tennis Academy. URL: <https://tennis-academy.com.ua/uk/> (Last accessed: 1.04.2022).