ES-Ticket System

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Technological developmenthas become very fastand effective in recent tim.

As there is a large interaction between the human and computer, which has become now included in all areas of life and help people in carrying out their daily business or any other activity with ease and less time as possible.

And technological development is still going on and looking for new people and can benefit from the best image, technology has entered in the various aspects of life. In medicine and scientific research, industries and even military sector.

I. INTRODUCTION

With the development of sport in the Arab world problems have in the infrastructure of sports facilities and techniques used in the management of these facilities. Since we are in the era of information technology, any problem you are looking for a solution to the use of information technology.

Our search for a solution to the problems facing the sport in Jordan, and we are devoted to the problems of football and its facilities, as we have a solution to most of the problems experienced by both in terms of organizational structure, administrative and even in terms of marketing.

In our project, we will try to find solutions to the problems facing the management of football stadiums, clubs, audience and that is our part as students in the field of information technology to find solutions to such problems.

So we will convert the traditional system for the management of football stadiums to the electronic system reduces problems for workers in football stadiums and football clubs and football audience.

We will enable our management in the football stadiums of the organization of stadium in terms of reception games, clubs, audience flexible and easily without conflicts of dates, so that coordination the Football Association in scheduling games and is included on the site of each stadium and the fan reserve the ticket for the match through the website. The system same will also organize sub-stadiums (training) of are booked the main stadium, which by clubs and organize the available times for reserve and the of reserve and are reserve the same location.

II. ES-TICKET APPLICATION

In this section, we present a brief introduction of the Es-Ticket technique and an evaluation of existing implementations.

A. ES-Ticket Application

We have built a system to help the Jordanian Union football to coordinate and improve the level of this game and to facilitate follow up on these matches by audiences love for this sport.

The organization hosting the matches on the stadium, where matches are scheduled in advance and if there is modified is notified customers that it's using our website or by email, This system enables customers to book tickets through the website.

Where customers can book tickets before the date of the game sufficient time, and thus limits the traffic in the places selling tickets, at the gates of stadiums.

This system will solve the problem of increasing the price tickets by persons authorized third parties for the sale of tickets, where we will be using the magnetic card, which prevents their use only by authorized persons.

This system will find accurate statistics every match and every championship, in terms of the number of the audience each match and the total number of audience in every championship. And the financial revenues generated from the sale of tickets.

This system is the organization of training stadiums reservations, which will be available to determine the times of the reservations, and provide information on the state of the stadium, whether it is busy or available.

Some of the most important things that the system provides in particular:

• Mange Championship:

FootballUnion canenterthroughthe systemtocontrol alltournamentsatthe local or international by modifyingtheir properties adda

newtournamentanddetermine who is responsible for them.

• Management stadiums:

Union football can through this system of local Management stadiums and determines the quality and capacity of clubs and stadiums assigned to them.

• Marketing Management:

Union football can through this system that manages the process of marketing and promotion of sale of tickets for each match, Administration can also determine the price of the ticket and get rid of the black market when selling tickets.



• Schedulingtimes ofmatches:

Union football can through this system that the management and re-scheduling Match and the organization of appointments depends on the established tournaments during the year to ensure that conflicting with each.

• Management clubs :

Unionfootballcanthrough this systemto deal with allclubsparticipatinglocaland international tournaments and communicate with them with ease.



• Management customers:

Union football can through this system to deal with consumers and communicate with the minall that is new.

• Locatethe seat:

This system enables the consumer (fan) to determine where it wants to sit inside the stadium when attending to watch the match with ease, where the sets and the degree to which he wants to sit in.

• Online reservation:

Of the most important this system is provided by the user the possibility of online reservation of the ticket before the game well enough, which saves time and effort and a lot of suffering suffered the consumer before every Match.

Reservestadiums :

The system provides for Club information about training stadiums, where clubs from booking of the stadium and Training on it without conflict with the dates of other clubs

Magnetic cards :

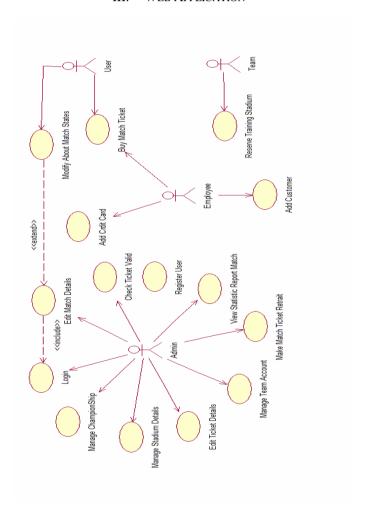
In this system was used magnetic cards by which payment to reserve a ticket, and all of these cards have a number of its own is not repeated is to identify the owner of this card from which.

Correct Statistics :

At the end of each game is to give statistics on the game in terms of the public and the capacity of the stadium, and in the traditional system is to give the statistical an approximation and not true to the lack of the ways that lead to reach the right result, and through this system is to give accurate statistics for

the number of ticket buyers and the number of attendees match. The current capacity of the stadium.

III. WEB APPLICATION



Check Balance Customer

Card Details

Check Balance View Balance Customer

Table2 Event Table (Customer)

Event	Source	Trigger	Use Case	Response	Destination
Login	Admin	User name & password	Log in	Valid or Not Valid	Admin
Notification about Match Status	Admin	Match Details	View Notification About Match	View Report	Admin
Check Valid Ticket	Admin	Ticket Details	Check Ticket Valid	Valid Ticket Or Not Valid	Admin
Edit Match Details	Admin	Match Details	Edit Match Details	Success Or Not	Admin
View Statistic Report About Match Stadium	Admin	Match Details	Make Statistic Report About Match	View Report	Admin
Manage Stadium Details	Admin	Stadium Details	Manage Stadium Details	Success Or Not	Admin
Edit Ticket Details	Admin	Ticket Details	Edit Ticket Details	Success Or Not	Admin
Manage Championshi p	Admin	Championship Details	Manage Championship	Success Or Not	Admin
Make retreat for match ticket	Admin	Match Details, Ticket Details	Make Retreat	Return winner Ticket	Admin
Manage Team	Admin	Team Details	Manage Team	Success Or Not	Admin
Buy Match Ticket	Admin	Match Details, credit Number	Buy Match Ticket	Success Or Not	Admin
Reserve Training Stadium	Admin	Training Details	Reserve Training Stadium	Available or Not	Admin

Table 1 Event Table (Admin)

Event	Sources	Trigger	Use Case	Response	Destination
Login	Customer	User name & Password	Log in	Valid or Not Valid	Customer
Buy Match Ticket	Customer	Match Details, Card Number	Buy Match Ticket	Success Or Not	Customer

❖ Management Ticket

Management Magnetic card

Table 3 Event Table (Employee)

Event	Source	Trigger	Use Case	Response
Login	Team	User name & Password	Log in	Valid or Not Valid
Reserve Training Schedule	Team	Training Schedule Details	Add Training Schedule	Success Or Not

Table 4 Event Table (Team)

Users of the system:

- Admin:
 - Managingusers.
 - Customer
 - Employee
 - > Team
 - Login.
 - Change password.
 - Management System Part
 - Championship
 - > Stadium
 - > Team
 - Match
 - > Ticket
 - > Training Stadium
 - View Statistic Report About Match Stadium
 - Check Match status.
 - Show number of customer.
 - ➤ Show number of ticket buy.
- Employee
 - ***** Management Customer

Event	Source	Trigger	Use Case	Response
Login	Employee	User name & Password	Log in	Valid or Not Valid
Buy Match Ticket	Employee	Match Details, Card Number	Buy Match Ticket	Success Or Not
Check Balance	Employee	Card Details	Check Balance	View Balance
Add Customer Credit Card	Employee	Customer Details And Card Details	Add	Success Or Not

• Team

* Reserve Training Stadium

• Customer:

- . Login.
- Change password.
- Update personal information.
- Reserve Ticket

The Website Interface

Homepage

The main page of ES-Ticket system that contain all Match that user can buy ticket for it using this system also contain log in page that enable active user access to their page as show as flow figure.





How the system works:

The process ofbookingticketsonline, but to be paidmust bethe use of electronic payment Like:-

- Visa Card
- Master Card



Visa Card

But a new stepin this systemthat we have donemagnetic cardsbearinga serial numberto symbolizea certain format.



Magnatic Card

isto getthis card from theplaces of sale allocated to it, where the userfill outa registration formcontainingthe required datafor, and submit it to the employeeworking with themanagement of the UnionLeagueand the turn is to registera new userand theexchangemagnetic cardautomaticallyfor him.

Where therechargeof this cardthe amountintendedby the user, it is worth mentioningthat it was illegalfor



anypersonenteringstadiumthatwas notthe holder of this card.



Rechargebalance

After gettingthe magnetic card, the user can access to thewebsitededicated to the sale of match tickets with ease. With the spread of the Internet widely among members of the community, the user enters a user name and password its own, to be transferred automatically to the main page allocated to it.

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ESTi	ckot	The state of the s		
	LNLL	THE REAL PROPERTY AND ADDRESS OF THE PERSON	THE PARTY AND ADDRESS OF	10
The State of the S			\$ 1850 PV	
Login	Control Panel			
Welcome mamoud@eticket.com	Match Details	Match Details	Match Details	land.
Log out	AJ Wehdat	Al Wehdat	Kuforsoum	75000
	VS.	VS.	VS.	
	Kuforsoum Stadium	Kuforsoum Stadium	Al Wehdat Stadium	
	Amman	Hamza	Hamza	
	Date & Time	Date & Time	Date & Time	
The same of the sa	1/27/2012 00:00:00	1/7/2012 00:00:00	1/7/2012 00:00:00	
The same of the sa	Champion	Champion	Champion	- 0
Latest	Jordan Cup BUY TICKET	UEFA BUY TIOKET	Jordan Cup BUY TICKET	7 7 7 3
Al Wehdat X Al F.	Match Details	Match Details	Match Details	
Al Ramtha X Kuf	Shabab Al Ordon	Al Ramtha	Kuforsoum	1/10
Al Wehdat X Kuf	VS. Hassein Irbid	VS. Al Faicaly	VS. Aliazoera	-
Al Wehdat X Kuf	Stadium	Stadium	Stadium	The same of
Kuforsoum X Al Shahab Al Order	Al Hassan Sport City	Amman	Hamza	
Shabab Al Urder Al Ramitha X Al F	Date & Time	Date & Time	Date & Time	
Kuforsoum X ALI	2/2/2012 00:00:00	2/2/2012 00:00:00	2/2/2012 00:00:00	
• Al Wohdat X Dat	Champion	Champion	Champion	100000
Al Faisaly X Tora	Jordan League BUY TICKET	Jordan League BUY TICKET	Jordan League BUY TICKET	
Kuforsoum X Hu Tora X Shahah A	Match Details	Match Details	Match Details	1000
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Shabab Al Ordor	Dat Ras	VS. Tora	Hussein Irbid	-
Kuforsoum X Al I	Stadium	Stadium	Stadium	
78,500	Amman	Amman	Hamza	10.00
51695	Date & Time	Date & Time	Date & Time	100000
Poll	2/2/2012 00:00:00	2/2/2012 00:00:00	2/4/2012 00:00:00	
NESS PAGE	Champion Jordan League	Champion Jordan League	Champion Jordan League	1355000

Home Page(User)

- ✓ It is the things available to the user: -
 - access tomatchavailableto him aftertoday's date
 - •the possibility ofbookingthe match thathe wanted:-

Wherethe stadiumwas dividedintosubdivisionsto

facilitate process of selecting the placeyou want to sit in itandthese divisions:

- Gold Right
- Gold Left
- Silver Right
- Silver Left
- Bronze Right
- Bronze Left



Stadium Level

- Choosethe desired locationwithin thestands of the stadium
- •access to thehistory of the usethe card
- Easyaccess toreservations available for theusercard.

Whenthe user selectshis destination(the matchthey want) what it isonly aclick on thelinktobuythe ticketat the bottom of each matchand the pressure on him to be transported automatically to the ticket reservation page.

Herethe user enters the PIN of the cardcarried

And choosethe degree to whichhe wantsto Sitin, and thenthe userto complete The booking process.

Thebalancedwasenoughinside the cardwill bethe booking process, andotherwiseitwillshowa

message explaining the failure of the booking process.



Card Reader



There are some processes that we hope to add it to our system to enhance it work and these are :

Using third party (visa, master card) for online card charge.



Online Payment

> Send message to ticket owner if match status change(match delay, cancel)or if he win in retreat



Mobile Message

➤ Build mobile application for E-S ticket





Numbered Seat.



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