

BAR SYSTEM

1.0 INTRODUCTION

The purpose of this study is to develop a web-based information system to make easier interaction between lecturer and Hal Ehwal Akademik regarding student attendance. A interview session was conducted at the Hal Ehwal Akademik, Universiti Teknologi MARA, Cawangan Kelantan. There were several problem have been detected and it is to reduce the usage of paper, faster verification from student, easy interaction between Hal Ehwal Akademik and the lecturers.

The objective of this system is to to develop a web-based application that can used to make interaction between lecturers and Hal Ehwal Akademik vitually regarding student attencance, to make verification between student and lecturer faster, effectively and efficiently.

An interview session was conducted at Hal Ehwal Akademik, Universiti Teknologi MARA, Cawangan Kelantan with one of the Hal Ehwal Akademik staff which is Puan Najibah.

This system was develop using open source PHP, HTML5, and mysql database. The application can be commercialized as a software product. The potential clients of product are universities, schools and private.

2.0 STATEMENT OF PROBLEM

There were several problem have been detected when we interview Hal Ehwai Akademik staff which is Puan Najibah and the first one is to reduce the usage of paper. Nowadays it is time for us to reduce the usage of paper, people do not aware that in order to make a ton paper, it is going cost 17 trees this show that we need to reduce the usage of paper in order to preserve our forest from being torn apart. We need to go green and save the earth.

The second one is problem with student verification where this system will make everything much more efficient and effectively with faster verification from student. It is said by the Hal Ehwai Akademik staff which is Puan Najibah and several lecturer that the problem that they had is for student to sign the first phase of the letter which is 'Peringatan Lisan' letter. Sometimes student did not come to class even after 'Peringatan Lisan' letter have been produce and some of them will continue to skip class until they have pass 10% of their attendancy.

With the creation of this system, lecturer just have to screenshot the whatsapp text that have been send to the student and it will be considered as the student are aware and already informed that they has been aware of the 'Peringatan Lisan' letter. Same goes to the next phase if student do not attend class more than three times they will get the warning letter where the lecturer just have to fill in the system about how many time the student did not attend and there is no need for the lecturer to walk to Hal Ehwai Akademik anymore because it can be done by using a computer. The warning letter, bar letter and interview letter will be produce by the Hal Ehwai Akademik based on the system itself.

The last one is that lecturer and Hal Ehwai Akademik are hard to interact because busy with work. With this system it is easy for the lecturer and Hal Ehwai Akademik staff to interact each other by using bar system because there is no need for them to walk into the Hal Ehwai Akademik because everything regarding student attendancy is in the system and are being monitored by the Hal Ehwai Akademik themselves. This will make the working process regarding student smoothly, effectively, efficiently and better.

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3.0 DEVELOPER PROFILE



FULL NAME : ILYAS BIN IBRAHIM
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DATE OF BIRTH : 15TH NOVEMBER 1994
MARITAL STATUS : Single
HEIGHT / WEIGHT : 177 cm / 77 kg
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EDUCATION

Universiti Teknologi MARA (UiTM)
Diploma in Information Management **2013 - 2016**

Sekolah Tinggi Segamat
SPM **2011**

WORKING EXPERIENCES

Segamas Enterprise **2012**
Landscapping

Pizza Hut **2012**
Pizza Delivery

UMobile **2013**
Sales Manager / Promoter / Trainer

Orkid Kuantan **2014 - 2015**
Landscapping / Scaffolding

JAKEL Trading Sdn. Bhd. **2017-Current**
*Personal Assistant / Operation Manager / Stock Auditor /
IT Department / Archivist / Record Manager*

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STRENGTH

Hard working; can work independently and by group; dependable.

LANGUAGE SKILLS

	Speaking	Writing
Bahasa Malaysia	Excellent	Excellent
English	Good	Good

COMPUTER SKILLS

- MS Office: Word, Power Point and Excel
- Adobe Photoshop
- Video Editing
- SwishMax Director
- PHP
- Mysql

4.0 OBJECTIVES OF THE PROJECT

The objective of this project is to develop a web-based application that can be used to make interaction between lecturers and Hal Ehwal Akademik virtually regarding student attendance, to make verification between student and lecturer faster, effectively and efficiently.

It is said by the Hal Ehwal Akademik staff which is Puan Najibah and several lecturers that the problem that they had is for students to sign the first phase of the letter which is 'Peringatan Lisan' letter. Sometimes students did not come to class even after 'Peringatan Lisan' letters have been produced and some of them will continue to skip class until they have passed 10% of their attendance.

With the creation of this system, lecturers just have to screenshot the WhatsApp text that has been sent to the student and it will be considered as the student is aware and already informed that they have been aware of the 'Peringatan Lisan' letter. Same goes to the next phase if a student does not attend class more than three times they will get the warning letter where the lecturer just has to fill in the system about how many times the student did not attend and there is no need for the lecturer to walk to Hal Ehwal Akademik anymore because it can be done by using a computer. The warning letter, bar letter and interview letter will be produced by the Hal Ehwal Akademik based on the system itself.

The last one is that lecturers and Hal Ehwal Akademik are hard to interact because they are busy with work. With this system it is easy for the lecturer and Hal Ehwal Akademik staff to interact with each other by using the bar system because there is no need for them to walk into the Hal Ehwal Akademik because everything regarding student attendance is in the system and is being monitored by the Hal Ehwal Akademik themselves. This will make the working process regarding students smoothly, effectively, efficiently and better.

5.0 SCOPE OF THE PROJECT

The scope of the project is that this system will store all record regarding student attendancy as for example how many student have reach 10% of not attend to class which will be easier for the Hal Ehwai Akademik to keep track of the student.

The next one is that the system username and password are protected from any people which mean only selected person can access the system. This system also have the capability to keep in track the record of student attendancy which in the future will be a good thing because the system will keep track of the student attendancy.

The last one is the system only allow lecturer and admin to access the system which in he future there should be no problem regarding the system are being breach.

6.0 LIMITATIONS OF THE PROJECT

The limitation of this project is that it can be only access by using internet because it is a web based system. So if there are no internet connection then the system cannot be open due to the internet problem which would be hard if the lecturer stay in a place where there are no internet or place that have internet connection.

The second one is only the administrator are capable to edit or modify the record of the student and it would be hard if lecturer make mistake by key in the wrong student.

The last one is the design where it is very creative which the interface just a simple interface which do not have a lot of picture or design in it and this system is more towards corporate system not like other system.

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7.0 MILESTONE & GANTT CHART

2018												
	March				April				May			
Weeks/ Activities	1	2	3	4	5	6	7	8	9	10	11	12
Planning												
Initial assessment												
Feasibility assessment												
Analysis												
User requirement												
Existing evaluation												
Logical system design												
Design												
Detail system specification												
Implementation												
Coding, testing, debugging												
Installation												
Fine tuning												
Maintenance												
Evaluation												
Maintenance												
Enhancement												

Table 1 : GANTT CHART

BAR SYSTEM

8.0 ESTIMATED BUDGET AND COST REQUIRE FOR THE PROJECT

There are estimated budget and cost that need to be spent in developing the Bar system, which are:

No.	Items	Budget (RM)
1.	Hardware: <ul style="list-style-type: none">• Computer set• Printer	RM 3,500.00
2.	Software: <ul style="list-style-type: none">• Wamp / Xamp• Adobe Dreamweaver• Notepad++	RM 500.00
3.	Salary <ul style="list-style-type: none">• 1 hour = RM 40.00• 8 hours a day• Total of 30 days	RM 9600.00
Total Budget		RM 13,600.00

Table 2: Estimated budget and cost of Bar system development

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9.0 HARDWARE AND SOFTWARE OF PROJECT

There are a few hardware and software that will be used in developing the E-Giling system, which are:

9.1 Hardware

No.	Hardware	Description
1.	Computer set	Lenovo (x64-Generic) Processor : Intel(R) Core(TM) i7-3610QM CPU @2.30GHz 2.30GHz Installed Memory : 8.00GB System type : 64bit Operating System
2.	Printer	Canon G2000

Table 3: List of hardware used for Bar system development

9.2 Software

No.	Hardware	Description
1.	Xamp / Wamp	As a platform to connect with the database.
2.	Adobe Dreamweaver	As a platform to connect with the database.
3.	Notepad++	As a platform to connect with the database.

Table 4: List of software used for Bar system development

10.0 SYSTEM FLOWCHART

10.1 User Registration

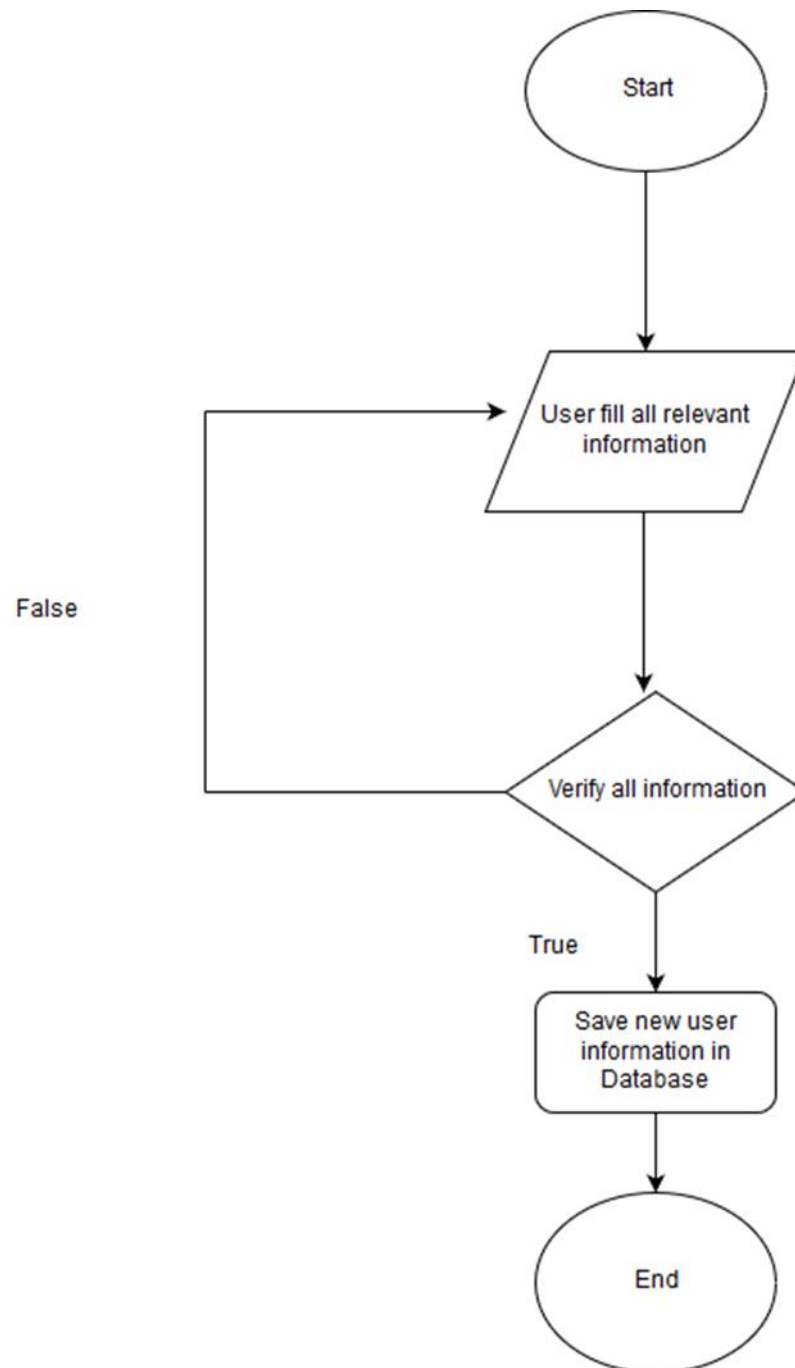


Figure 1

10.2 Attendance

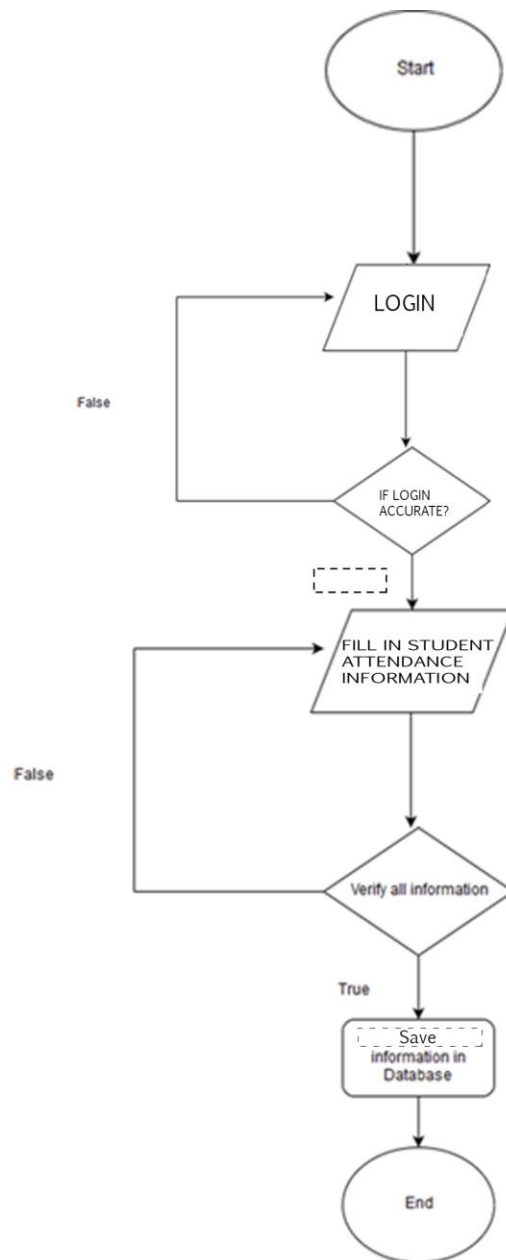


Figure 2

10.3 Status

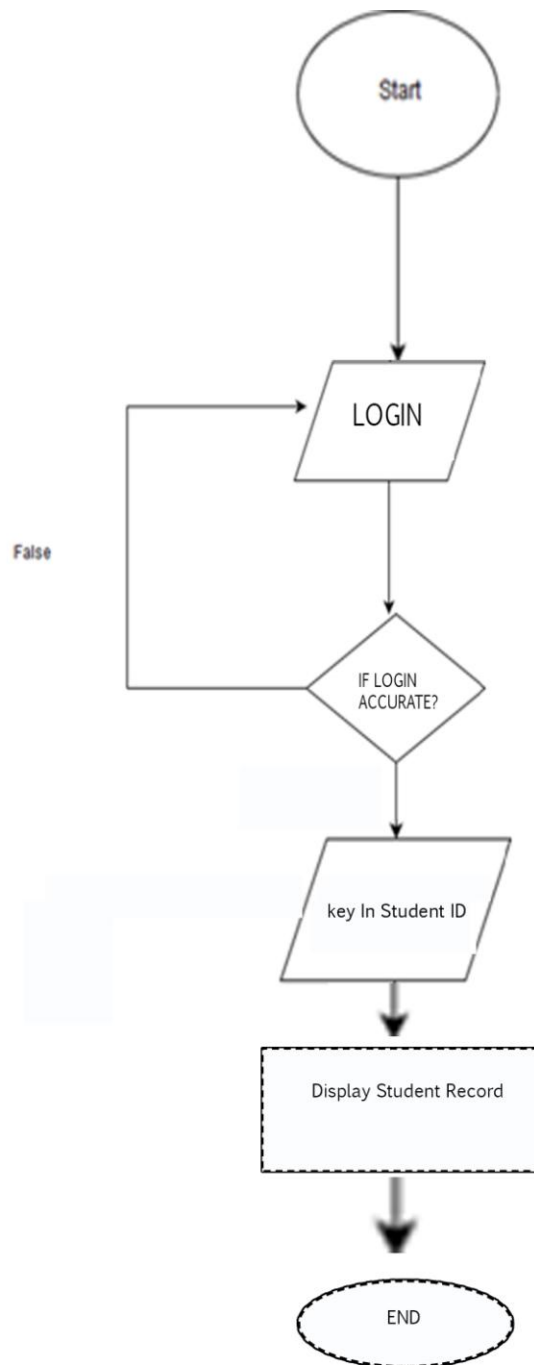


Figure 3

11.0 STORYBOARD, WEB SYSTEM STRUCTURE AND NAVIGATION

11.1 Login

The diagram shows a login form with the following elements:

- LOGIN FORM**: The title of the form.
- USERNAME**: A label above a text input field.
- PASSWORD**: A label above a text input field.
- LOGIN**: A button located below the password field.
- CANCEL**: A button located at the bottom left.
- SIGN UP**: A button located at the bottom right.

Figure 4

11.2 Sign Up

SIGN UP

CANCEL SIGN UP

Figure 5

11.4 Bar Status



Figure 7

11.5 Side Bar (After Log IN)

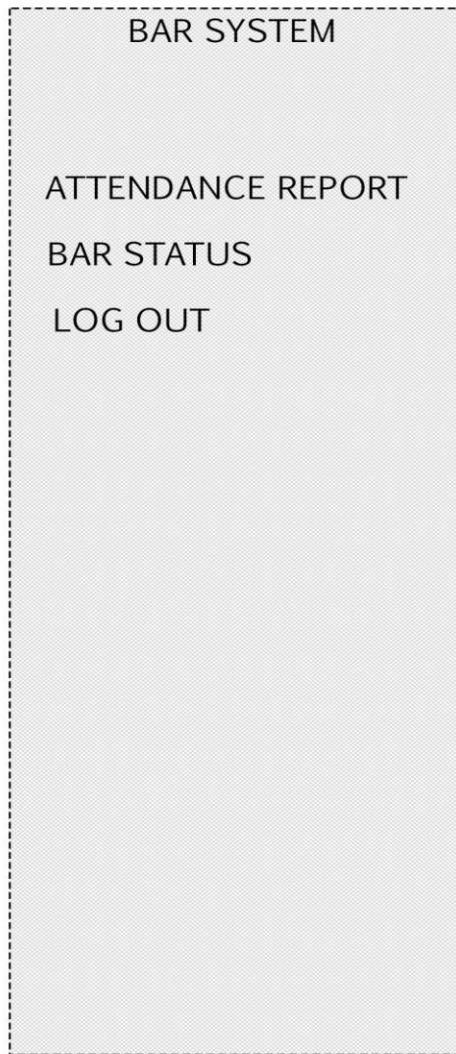


Figure 8

11.5 Side Bar (Before Log IN)

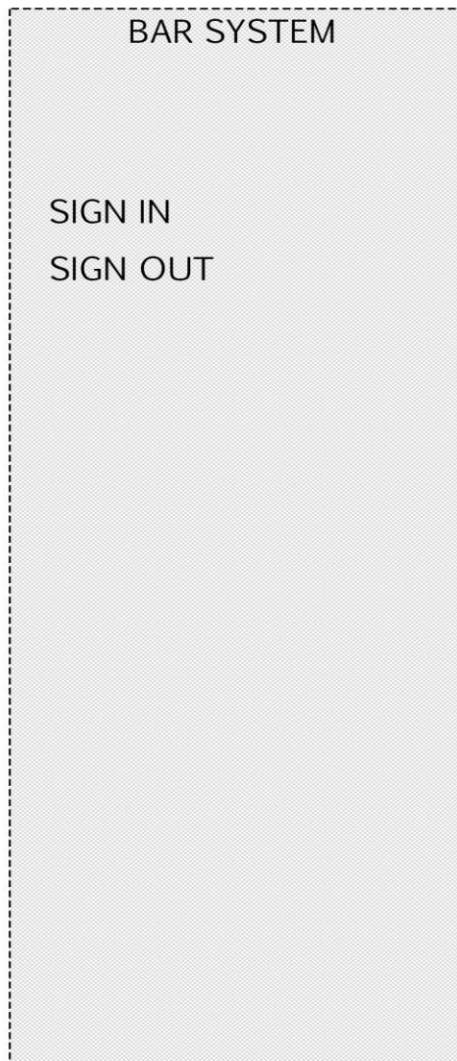


Figure 9

11.6 Side Bar (Admin)

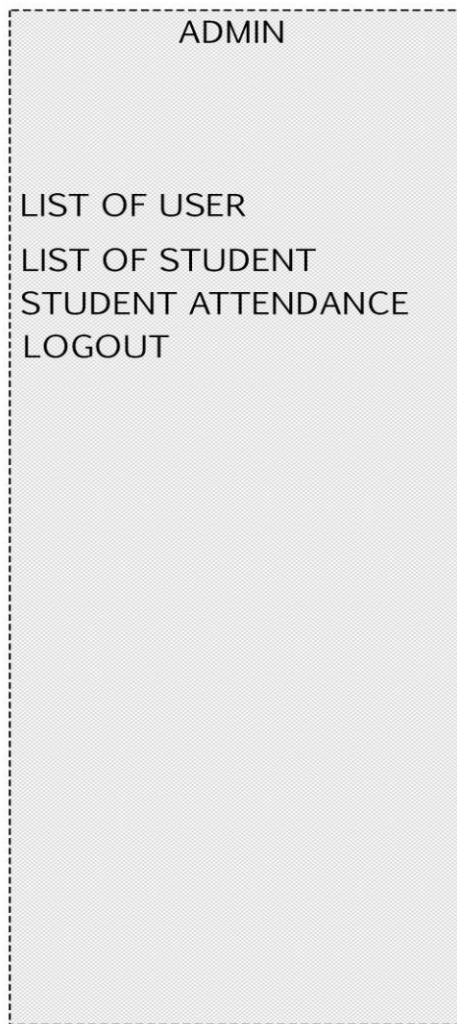


Figure 10

11.7 Introduction



Figure 11

11.8 List of Student / List of User / List of Attendance (Admin)

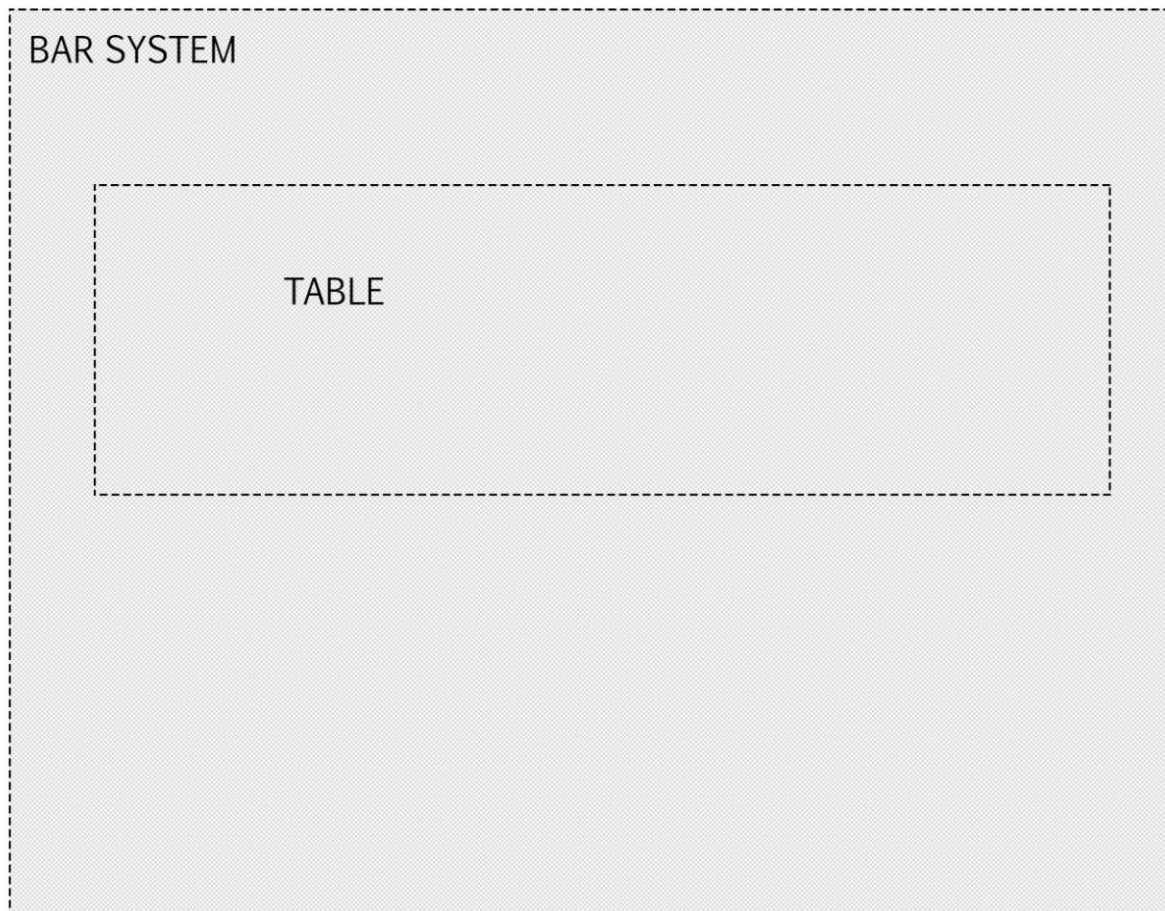


Figure 12

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