

VPark Web based CRM System

MSc Summer Project 2014
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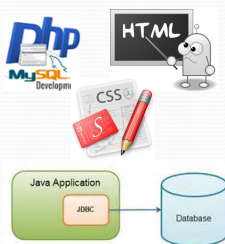
Vinci Park- VPark

- International company, which specialises in the development and management of parking solutions for both public and private organisations
- Design, Build, Finance and Operate
- System will be developed for division in the central Europe



Main objectives

- ❖ To create centralised system of clients registration
- ❖ To develop database driven interactive website
- ❖ Strategic tool in order to grow the relationship value

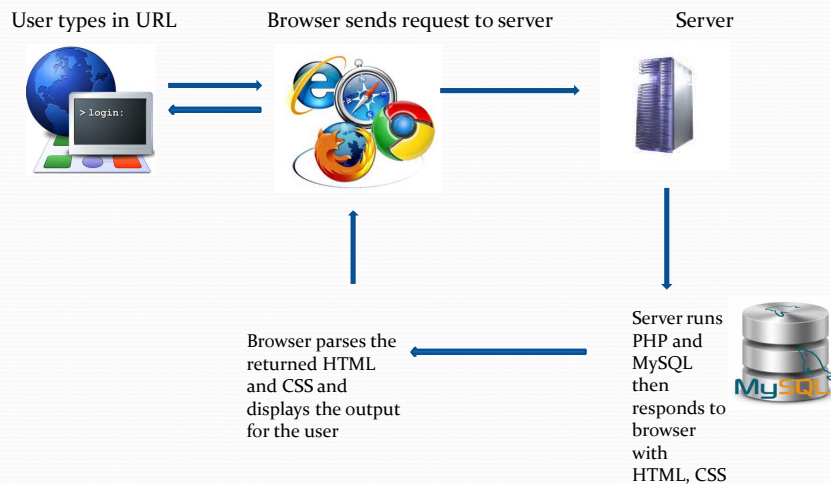


Options

- To develop interactive website through learning and using script server language PHP cooperating with MySQL and adding knowledge of HTML and CSS
- To develop JDBC driver-software component enabling Java application to interact with database

3

Basic principle



4

Stages of the project

- Requirements analysis: -use cases
-data design
-story boards

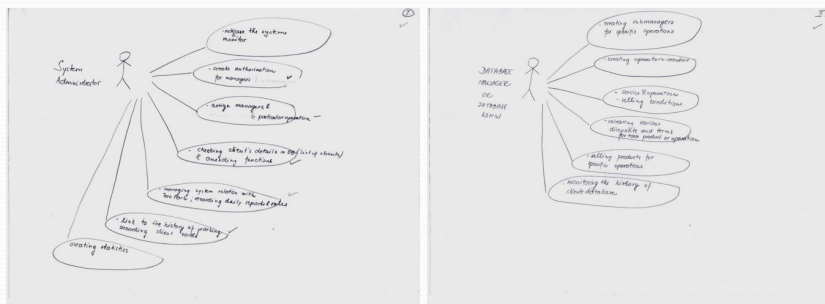


- Research and learning of HTML, My SQL, PHP and CSS



5

Core use cases



6

XAMPP – PHP My Admin

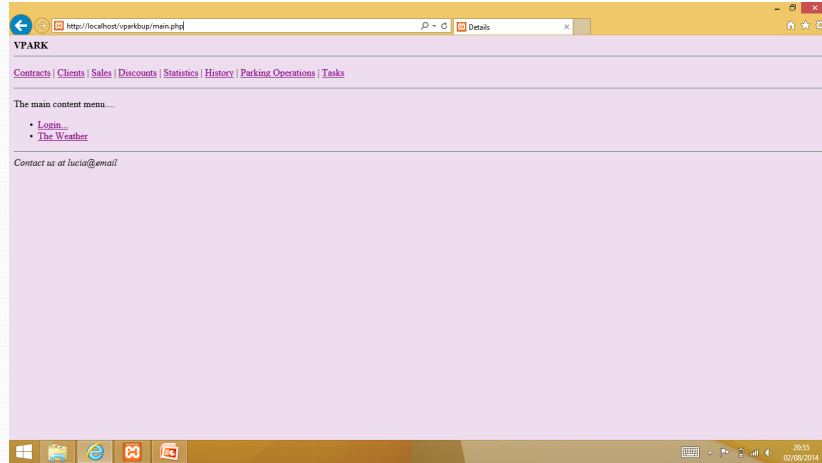
The screenshot shows the phpMyAdmin interface for a MySQL database named 'vpark'. The 'Structure' tab is active, displaying a table structure for 'vpark'. The table has 8 columns: clients, contracts, discounts, history, parkingoperations, sales, statistics, and tasks. Each column is of type 'InnoDB latin1_swedish_ci' and has a size of 16 KiB. The total size of the table is 144 KiB. Below the table structure, there is a 'Create table' form with fields for 'Name' and 'Number of columns', and a 'Go' button.

Table	Action	Rows	Type	Collation	Size	Overhead
clients	Browse Structure Search Insert Empty Drop	-9	InnoDB	latin1_swedish_ci	16 KiB	-
contracts	Browse Structure Search Insert Empty Drop	-2	InnoDB	latin1_swedish_ci	32 KiB	-
discounts	Browse Structure Search Insert Empty Drop	-2	InnoDB	latin1_swedish_ci	16 KiB	-
history	Browse Structure Search Insert Empty Drop	-2	InnoDB	latin1_swedish_ci	16 KiB	-
parkingoperations	Browse Structure Search Insert Empty Drop	-2	InnoDB	latin1_swedish_ci	16 KiB	-
sales	Browse Structure Search Insert Empty Drop	-3	InnoDB	latin1_swedish_ci	16 KiB	-
statistics	Browse Structure Search Insert Empty Drop	-2	InnoDB	latin1_swedish_ci	16 KiB	-
tasks	Browse Structure Search Insert Empty Drop	-2	InnoDB	latin1_swedish_ci	16 KiB	-
8 tables	Sum		InnoDB	latin1_swedish_ci	144 KiB	0 B

Simple Login page

The screenshot shows a simple login page for 'VPARK'. The page has a light purple background. At the top, it says 'VPARK'. Below that, it says 'Enter name and password to view details'. There are two input fields: 'Username:' and 'Password:'. Below the input fields is a 'View' button. At the bottom of the page, it says 'Contact us at lucia@email'.

Visualisation of main website



11

Retrieved client details after database query

The screenshot shows the same website interface as above, but the "Clients" section is active. The browser's address bar shows the URL "http://localhost/vpark/clients.php". The "Clients" section displays a table of client information. Below the table, there is a contact information line that reads "Contact us at lucia.malqter@gmail.com". The Windows taskbar at the bottom of the browser window shows the date and time as 16:21 on 05/08/2014.

Client ID	Email	ClientName	Address	PhoneNumber
Client ID_1	lm@gmail.com	Presreal ltd	Victoria Road Stirling	01786566788
Client ID_2	dec@cs	Ellis Hannover	Union Street Dunfermline	01324900700
Client ID_3	el@mail	Kathrine Clark	Classy Road Perth	0133433233
Client ID_5	xyz@mail	Perth Hospital	Main Road Perth	0133566788
Client ID_6	ggg@who	Balines Ltd	Rose Street Edinburgh	01324777999
Client ID_7	ggg@who	Haus Ltd	Viewfield Place Glasgow	0124577877
Client ID_9	hh	Jubilee Inc	South Road Cumbernauld	01324667887
Client ID_10	ttt	Lee San Ltd	Schwartz Strasse Frankfurt	0422344566
Client ID_123	mmf@mail	Marc Gibsen	Thunder Road Aberdeen	01566788999

12

