Melle Dijkstra

Melle210202@gmail.com

Base Design

Basis Design Docment

Description

The Base Design Document is a more in depth document about the project.  
It describes specific functions needed and a lot of technical information.

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# Cloud Server Initialization

## Domain Name

The domain name (cheery.nl) is bought at [neostrada.nl](http://neostrada.nl) because it’s a cheap domain-name service and it allows you to alter the name-servers to something else what is really convenient if the servers are located at Digital Ocean.

The price for the domain is €2,95 for the first year, if you want to lengthen the time it’s going to cost €9,-.

## Cloud Server (droplet)

The cloud server is bought at Digital Ocean ([https://www.digitalocean.com/](https://www.digitalocean.com/?refcode=705dc9bfe7f5)) for $5.00 per month. Digital Ocean is a professional cloud server service for high quality servers which they call droplets. Also Digital Ocean has an API which makes is better but is not relative for this project.

Statistics of the cloud server (droplet):

* IP Address: 178.62.143.203
* Gateway: 178.62.128.1
* Netmask: 255.255.192.0
* Memory: 512MB (RAM)
* Disk: 20GB (Storage)
* Region of server: AMS2 (Amsterdam 2)
* OS: Ubuntu 14.04 x32 (vmlinuz-3.13.0-57-generic)

The droplet is installed with a 32 bit OS because it only has 512MB RAM which is not much and by choosing 32 bit OS it performs better.

# Project Management

## File Structure

Bullet for files  
Squares for folders  
Blue for info  
Red for not self-written code  
Green for self-written code

* index.php

Index file is the first file that the user sees when going to the server

* lib

Libraries are pre-written code by others and frameworks that are used in the project

* + jquery
  + materialize
* res

Resources folder for files that get included in other files

* + js
    - main.js

Main JavaScript file that is used on every page (most times only for initialization)

* + css
    - main.css

Main CSS file that has styling for every page

* + images

Images that are used in the project are stored here

* includes

Includes folder contains all the files that are included into the project

* + userManager.php
  + mysqlManager.php

# Database

MySQL 5.5.44