

## Analysis

Key: pk = primary key, fk = foreign key

### CLASSES

Customer

Website

Page

Widget

Heading

Image

Paragraph

YouTube

Address

Phone

CustomerRole

Privileges

WidgetEvents

PageEvents

Header

Paragraph

Image

YouTube

Script

Step

### ATTRIBUTES

Customer:

CID (pk): Integer auto-increment

username: String

password: String

first name: String

last name: String

date of birth: String

phones (array of fk PHID): Phone

addresses (array of fk AID): Address

websites (array of fk WID): Website

emails (array of Strings): String

Website:

WID (pk): Integer auto-increment

name: String

description: String

date of creation: Date

date last updated: Date

owner developer (fk CID): Customer

number of visits: Integer auto-increment

collaborators (array of fk CID): Customer

link: String

stylesheet: String

pages (array of fk PID): Page

Page:

PID (pk): Integer auto-increment

WID (fk WID): Website

name: String

title: String

description: String

date of creation: Date

date last updated: Date

number of visits: Integer auto-increment

stylesheet: String

widgets (array of fk WID): Widget

events (array of fk PEID): PageEvents

#### Address:

AID (pk): Integer auto-increment

street1: String

street2: String

city: String

state: String

zip code: String

primary: Boolean

billing address: Boolean

#### Phone:

PHID (pk): Integer auto-increment

country code: Integer

area code: Integer

phone number: Integer

primary: Boolean

#### CustomerRole:

collaborator (fk CID): Customer

owner: Boolean

administrator: Boolean

editor: Boolean

reviewer: Boolean

#### Privileges:

Create: Boolean

Read: Boolean

Update: Boolean

Delete: Boolean

Collaborator (fk CID): Customer

#### <<Abstract>> Widget:

WDIT (pk): Integer auto-increment

PID (fk PID): Page

name: String

top position: Double

left position: Double

bottom position: Double

right position: Double

width: Integer

height: Integer

foreground color: String

background color: String

css class: String

css style: String

events (array of fk WEID): WidgetEvent

#### WidgetEvent

WEID (pk): Integer auto-increment

onClick: Script

onChange: Script

onDrag: Script

onEnter: Script

onExit: Script

#### PageEvent:

PEID (pk): Integer auto-increment

onLoad: Script

onUnload: Script

#### Header:

HID: Integer auto-increment

WDID (fk WDID): Widget

text: String [256]

size: HeaderSize

<<Enumeration>> HeaderSize:

1

2

3

4

5

6

Paragraph:

PRGID (pk): Integer auto-increment

WDID (fk WDID): Widget

Text: String [4096]

Image:

IID (pk): Integer auto-increment

WDID (fk WDID): Widget

url: String

valign: VerticalAlignment

halign: HorizontalAlignment

YouTube:

YID (pk): Integer auto-increment

WDID (fk WDID): Widget

videoID: String

embeddable: Boolean

sharable: Boolean

expandable: Boolean

<<Enumeration>> VerticalAlignment:

Top

Middle

Bottom

<<Enumeration>> HorizontalAlignment:

Left

Center

Right

Script

<<Abstract>> Script:

SID (pk): Integer auto-increment

name: String

steps (array of fk StepID): Step

Step:

math: Math

string: StringType

boolean: BooleanType

<<Enumeration>> Math:

add

subtract

multiply

divide

<<Enumeration>> StringType:

indexOf

concat

substring

<<Enumeration>> BooleanType:

and

or

not