UML Class Design
Project Berghem Bike

By

Davide Cuni

Client

Leaflet

CustomMarker
-icon: L.Icon
+constructor(path: string)()
+getIcon() ()

MapsManager
-map: L.Map
-mapDiv: HTMLElement
-mapBounds: L.LatLngBounds
-zoomLevel : int
-markerGreen : CustomMarker
-markerYellow : CustomMarker
-markerRed : CustomMarker
-markers: L.Marker[]
-ajaxman : AjaxManager
-init()()
+reload()()

TouchSwipe
-element: any
-swipeLenght : int
-xDown : int
-yDown : int
+constructor(element, swipelen)()
+onLeft(callback)()
+onRight(callback)()
+onUp(callback)()
+onDown(callback)()
-handleTouchMove(evt)()
+start()()
+stop()()

ResponsiveManager
-menu elements
-page elements
-modals[]
+isMenuOpen()()
+getCurrentRightMenu()()
+isMobileResponsive()()
+isMobileModeActive()()
+constructor(width, menu_right_type)()
-init()()
-mobileCheck()() : bool
-mobileMode(status: bool)()
-handleResponsiveness()()
+toggleMenu()()
+switchMenuType(menu_type: bool)()

Notification
-boxTimers : int
-modalTimers : int
-modals : Modal
-msgBox: HTMLElement
-contentContainer: HTMLElement
+getModals()() : Modal
+constructor(allmodals: Modal[], tmpContainer: HTMLElement)()
+showMessageBox(str: string)()
+clearMsgBox()()
+showCurModalMsgField(str: string, color: boolean, closemodal: boolean)()
+clearCurModalMsgField()()
+closeCurrentModal()()
+getOpenModal()() : Modal
+clearTimers(str: String)()

UIManager
-responsive : ResponsiveManager
-userhandler : UserHandler
-notify : Notification
-swipe : TouchSwipe
-modals : Modal
+constructor(...allmodals: Modal[])()
-init()()
+submit_login()()
+submit_logout()()
+submit_reg()()

Modal
-HTMLElements...
-openState : bool
+getCloseButton(): HTMLElement()
+getModalMessage(): HTMLElement()
+getState()() : bool
+setState(boolean)()
+constructor(modal_id, open_button_id)()
-init()()
+onOpen(callback?: () => void)()
+onClose(callback?: () => void)()
+openModal()()
+closeModal()()

UserHandler
-ajaxman : AjaxManager
-responsive : ResponsiveManager
-notify : Notification
-...loginForm: HTMLElement
-...regForm: HTMLElement
+constructor(tmpResponsive: ResponsiveManager, tmpNotify: Notification)()
+check_user()()
+submit_login()()
+submit_logout()()
+submit_registration()()

App.ts (Bundle)
+export {UIManager}
+export {MapsManager}
+export {Modal}
-(Recursive exports)

AjaxManager
+ajax_getMapMarkers(callback: Function)()
+ajax_check_user_login(callback: Function)()
+ajax_submit_login(username: string, password: string, callback: Function)()
+ajax_submit_logout(callback: Function)()
+ajax_submit_reg(username: string, email: string, birth: string, password: string, callback: Function)()

CLIENT/SERVER
COMMUNICATION

Server

index.php
contact.php
dashboard.php

common.php
autoload function

action.php
-//Handling all POST requests.
-$users[]
+$_POST['submit_login']()
+$_POST['submit_registration']()
+$_POST['submit_logout']()
+$_POST['check_user']()

Class DbManager
-pdo
+login(User)()
+register(User)()
+changepasswd(User, pass)()

Class User
-//contains logged in user cache
-Static DbManager
-cur_session_id
-email
-password
-username
-name
-surname
-address
-birthdate
-privilege
-verified
-remember
+login()()
+register()()
+forgotpass()()
+getsetPasswd()()
+verifyEmail()()
+getEmail()()
+getsetEmail()()
+getsetUsername()()
+isVerified()()

Costants
-dbName
-dbServer
-dbPasswd
-dbUser
-dbCharset
-dbDriver
-pepper

EmailManager

LEGEND

ONE END COMM LINK

TWO END COMM LINK

CLNT/SRV COMM