**Cordova-project 2APPAI – 2WT - 3IoT**

**Brief description of the app**

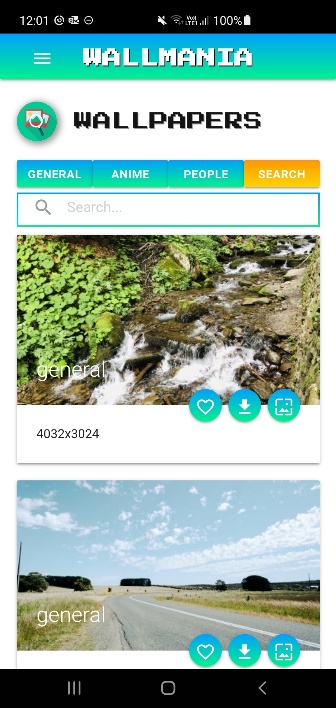
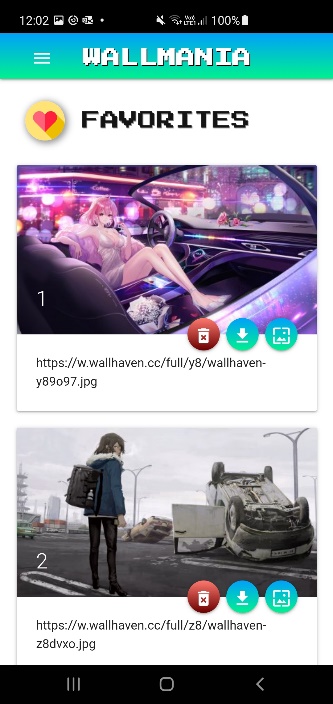
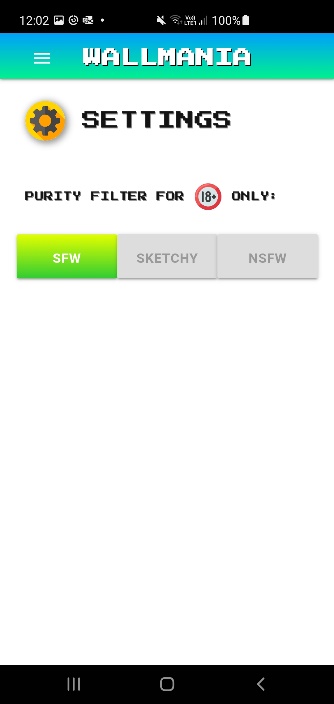
This is an Android-only application. With this application, you are able to search for wallpapers based on certain criteria. Wallpapers can be found based on tag, category and purity. The purity filter is default set on "SFW" (Safe For Work) but can be changed in the settings.

Every wallpaper can be set as the device's home screen and lock screen background, can be downloaded locally, or saved in favorites inside the application for later use with local storage. Not all wallpapers show the full wallpaper in the preview so there is an option for opening the full wallpaper in Picasso preview by simply clicking on the wallpaper itself. The preview also gives you the option to share the wallpapers with others through email or other sorts of media sharing platforms.

If you wish to delete a saved background from your favorites, change your background from your saved favorites or rather download the picture to the device from the favorites tab, then this is possible as well.

API used to find wallpapers: <https://wallhaven.cc/help/api>

**Screenshots**

**   Afbeelding met tekst

Automatisch gegenereerde beschrijving**

**Used Cordova plug-ins**

Plugin to show selected wallpaper in full size fitting to the screen size in Picasso view from a URL, with sharing options through several media platforms:  
<https://github.com/sarriaroman/photoviewer>

Plugin to write an image to the devices library from a URL:  
<https://github.com/apache/cordova-plugin-file-transfer>

Plugin to set the wallpaper using a base64 string:  
<https://github.com/fbsanches/cordova-plugin-wallpaper>

Plugin that passes the device information to cordova-plugin-file to know the type of device:  
<https://cordova.apache.org/docs/en/10.x/reference/cordova-plugin-device/>

Plugin to know the network information status, so if there is no internet there will be a alert showing up that the device has lost internet connection:  
<https://cordova.apache.org/docs/en/10.x/reference/cordova-plugin-network-information/>

Plugin to show a splashscreen when loading the images:  
<https://cordova.apache.org/docs/en/10.x/reference/cordova-plugin-splashscreen/>

**Infopage about the app**

URL where you can download the app (apk-file).  
<https://guyderoover.sinners.be/wallmania/>

**Source code**

Attach the source code of each document (HTML, CSS, own JS, ...).

## index.html

<!doctype **html**>  
<**html lang="en"**>  
<**head**>  
 <**meta charset="UTF-8"**>  
 <**meta name="viewport" content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0"**>  
 <**link rel="stylesheet" href="https://fonts.googleapis.com/icon?family=Material+Icons"**>  
 <**link rel="stylesheet" href="css/materialize.1.0.0.min.css"**>  
 <**link rel="stylesheet" href="css/app.css"**>  
 <**title**>Wallmania</**title**>  
 <**style**>  
 .**spa** { **display**: **none**; }  
 **#tabWallpaper** { **display**: **block**; }  
 .**pagination** { **display**: **none**; }  
 </**style**>  
</**head**>  
<**body**>  
<**header**>  
 *<!-- Fixed navbar -->* <**div class="navbar-fixed"**>  
 <**nav class="color"**>  
 <**div class="nav-wrapper container "**>  
 <**a href="#!" class="brand-logo center"**>Wallmania</**a**>  
 <**a href="#!" data-target="nav-mobile" class="sidenav-trigger show-on-large"**>  
 <**i class="material-icons"**>menu</**i**>  
 </**a**>  
 </**div**>  
 </**nav**>  
 </**div**>  
 *<!-- Fixed sideNav -->* <**ul id="nav-mobile" class="sidenav"**>  
 <**li**><**a href="#!" data-show="tabWallpaper"**><**i class="material-icons"**><**img src="icon/search.png" alt="Picture"**></**i**>Search</**a**></**li**>  
 <**li**><**a href="#!" data-show="tabFavorite"**><**i class="material-icons"**><**img src="icon/heart.png" alt="Favorite"**></**i**>Favorites</**a**></**li**>  
 <**li**><**a href="#!" data-show="tabSetting"**><**i class="material-icons"**><**img src="icon/setting.png" alt="Setting"**></**i**>Setting</**a**></**li**>  
 <**li**><**a href="#!" data-show="tabInfo"**><**i class="material-icons"**><**img src="icon/info.png" alt="Info"**></**i**>App Info</**a**></**li**>  
 </**ul**>  
</**header**>  
<**main**>  
 <**div class="container"**>  
  
 *<!-- Tab Main -->* <**div id="tabWallpaper" class="spa"**>  
 <**div class="row mb-2"**>  
 <**div class="col s12 no-padding"**>  
 <**h3**><**img src="icon/search.png" alt="search"**>Wallpapers</**h3**>  
 </**div**>  
 </**div**>  
  
 <**div class="row mb-1"**>  
 <**div class="col s12 no-padding"**>  
 <**div id="category"**>  
 <**button id="general" class="col s3 btn-small color"**>General</**button**>  
 <**button id="anime" class=" col s3 btn-small color"**>Anime</**button**>  
 <**button id="people" class="col s3 btn-small color"**>People</**button**>  
 <**button id="search" class="col s3 btn-small right"**>Search</**button**>  
 </**div**>  
 </**div**>  
 </**div**>  
 <**div class="box-outside row mb-1 mt-2"**>  
 <**div class="box-inside col s12 no-padding"**>  
 <**div class="nav-wrapper inline"**>  
 <**div class="input-field m-1"**>  
 <**input id="search-text" type="search" multiple placeholder="Search..."**>  
 <**label class="label-icon" for="search-text"**>  
 <**i class="material-icons"**>search</**i**></**label**>  
 <**i class="material-icons"**>close</**i**>  
 </**div**>  
 </**div**>  
 </**div**>  
 </**div**>  
  
  
 <**div class="row"**>  
 *<!-- Element met alle wallpapers die werden gevonden -->* <**div id="wallpapers"**></**div**>  
 </**div**>  
  
 <**div id="pag" class="center-align"**>  
 <**ul class="pagination"**>  
 <**li class="disabled"**><**a**><**i class="material-icons"**>chevron\_left</**i**></**a**></**li**>  
 <**li class="waves-effect active color"**><**a**>1</**a**></**li**>  
 <**li class="waves-effect"**><**a**>2</**a**></**li**>  
 <**li class="waves-effect"**><**a**>3</**a**></**li**>  
 <**li class="waves-effect"**><**a**>4</**a**></**li**>  
 <**li class="waves-effect"**><**a**>5</**a**></**li**>  
 <**li class="disabled"**><**a**><**i class="material-icons"**>chevron\_right</**i**></**a**></**li**>  
 </**ul**>  
 </**div**>  
 </**div**>  
  
 *<!-- Tab Favorites -->* <**div id="tabFavorite" class="spa"**>  
  
 <**div class="row mb-2"**>  
 <**div class="col s12"**>  
 <**h3**><**img src="icon/heart.png" alt="favorite"**>Favorites</**h3**>  
 </**div**>  
 </**div**>  
 <**div class="row"**>  
 *<!-- Element met alle opgeslagen favorieten -->* <**div id="favorites"**></**div**>  
 </**div**>  
 </**div**>  
  
 *<!-- Tab Settings -->* <**div id="tabSetting" class="spa"**>  
  
 <**div class="row"**>  
 <**div class="col s12"**>  
 <**h3**><**img src="icon/setting.png" alt="settings"**>Settings</**h3**>  
 </**div**>  
 </**div**>  
   
 <**div class="row pb-0"**>  
 <**div class="col s12"**>  
 <**h5**>Purity filter for**&nbsp;**<**img src="icon/age-limit.png" alt="18+"**>**&nbsp;**only:</**h5**>  
 </**div**>  
 </**div**>  
  
 <**div class="row"**>  
 <**div id="purity"**>  
 <**button id="sfw" class="col s4 btn-large"**>SFW</**button**>  
 <**button id="sketchy" class=" col s4 btn-large off"**>Sketchy</**button**>  
 <**button id="nsfw" class="col s4 btn-large off"**>NSFW</**button**>  
 </**div**>  
 </**div**>  
  
 </**div**>  
  
  
 *<!-- Tab Info -->* <**div id="tabInfo" class="spa"**>  
 <**div class="row mb-2"**>  
 <**div class="col s12 no-padding"**>  
 <**h3**><**img src="icon/info.png" alt="info"**>Information</**h3**>  
 </**div**>  
 </**div**>  
  
 <**div class="row"**>  
 <**div class="col s12"**>  
 <**p**><**b**>Last name: </**b**>De Roover</**p**>  
 <**p**><**b**>First name: </**b**>Guy</**p**>  
 <**p**><**b**>Class: </**b**> 2 APPAI 02</**p**>  
 <**p**><**b**>Student id: </**b**>r0781424</**p**>  
 <**p**><**b**>Email: </**b**> <**a  
 href="mailto:r0781424@student.thomasmore.be"**>r0781424@student.thomasmore.be</**a**></**p**>  
 <**p**><**b**>Phone number: </**b**>  
 <**a href="tel:+32494043790"**>+324 94 04 37 90</**a**></**p**>  
 <**p**><**b**>What is this app?</**b**><**br**>This is an Android-only application. With this application, you are able to search for wallpapers based on certain criteria. Wallpapers can be found based on tag, category and purity. The purity filter is default set on "SFW" (Safe For Work) but can be changed in the settings.<**br**><**br**>  
 Every wallpaper can be set as the device's home screen and lock screen background, can be downloaded locally, or saved in favorites inside the application for later use with local storage. Not all wallpapers show the full wallpaper in the preview so there is an option for opening the full wallpaper in Picasso preview by simply clicking on the wallpaper itself. The preview also gives you the option to share the wallpapers with others through email or other sorts of media sharing platforms.<**br**><**br**>  
 If you wish to delete a saved background from your favorites, change your background from your saved favorites or rather download the picture to the device from the favorites tab, then this is possible as well.<**br**><**br**>  
 </**p**>  
 </**div**>  
 </**div**>  
  
 </**div**>  
  
 </**div**>  
</**main**>  
<**script src="js/jquery.3.5.1min.js"**></**script**>  
<**script src="js/materialize.1.0.0.min.js"**></**script**>  
<**script src="cordova.js"**></**script**>  
<**script src="js/main.js"**></**script**>  
<**script src="js/favorite.js"**></**script**>  
<**script defer src="js/app.js"**></**script**>  
</**body**>  
</**html**>

## app.css

**@import url**(**'https://fonts.googleapis.com/css2?family=Press+Start+2P&display=swap'**);  
  
*/\*NavBar\*/***a**.**brand-logo** {  
 **font-family**: **'Press Start 2P'**, **cursive**;  
 **text-transform**: **uppercase**;  
 **font-size**: 1.5**rem !important**;  
 **font-weight**: **bold**;  
 **text-shadow**: 1**px** 1**px black**;  
}  
*/\*NavMenu\*/*.**sidenav li a** {  
 **padding-bottom**: 4**rem**;  
 **border-bottom**: **lightgray** 1**px solid**;  
}  
.**sidenav a img** {  
 **width**: 2.6**rem**;  
 **margin-top**: 0.7**rem**;  
}  
*/\*pages\*/***h3 img** {  
 **width**: 3.5**rem**;  
 **border-radius**: 50%;  
 **box-shadow**: 2**px** 2**px** 8**px** 2**px #999999**;  
 **margin-right**: 1.5**rem**;  
}  
  
**h5 img** {  
 **width**: 2.5**rem**;  
 **border-radius**: 50%;  
}  
  
**h3**, **h5** {  
 **display**: **flex**;  
 **align-items**: **center**;  
 **justify-content**: **left**;  
 **font-family**: **'Press Start 2P'**, **cursive**;  
 **text-transform**: **uppercase**;  
 **font-size**: 1.5**rem !important**;  
 **text-shadow**: 1**px** 1**px #999999**;  
}  
 **h5** {  
 **font-size**: 0.75**rem !important**;  
 }  
  
*/\*custom color + buttons\*/***#category button**, **#purity button** {  
 **font-weight**: **bold**;  
}  
  
.**color** {  
 **background**: **rgb**(0,241,144);  
 **background**: **linear-gradient**(0**deg**, **rgba**(0,241,144,1) 0%, **rgba**(0,161,250,1) 100%);  
}  
  
.**box-outside** {  
 **padding**: 2**px**;  
 **background**: **rgb**(0,241,144);  
 **background**: **linear-gradient**(0**deg**, **rgba**(0,241,144,1) 0%, **rgba**(0,161,250,1) 100%);  
}  
  
.**box-inside** {  
 **background**: **#ffffff**;  
}  
  
**#search** {  
 **background**: **rgb**(255, 152, 0);  
 **background**: **linear-gradient**(180**deg**, **rgba**(255,152,0,1) 0%, **rgba**(255,213,0,1) 100%);  
}  
  
**#sfw** {  
 **background**: **rgb**(50,205,50);  
 **background**: **linear-gradient**(0**deg**, **rgba**(50,205,50,1) 0%, **rgba**(227,255,0,1) 100%);  
}  
  
**#sketchy** {  
 **background**: **rgb**(255, 152, 0);  
 **background**: **linear-gradient**(180**deg**, **rgba**(255,152,0,1) 0%, **rgba**(255,213,0,1) 100%);  
}  
  
**#nsfw**, .**color-delete** {  
 **background**: **rgb**(105,0,0);  
 **background**: **linear-gradient**(0**deg**, **rgba**(105,0,0,1) 0%, **rgba**(255,121,111,1) 100%);  
}  
  
.**off** {  
 **background**: **#dddddd !important**;  
 **color**: **#999999 !important**;  
}  
  
.**btn-fav**, .**btn-delete** {  
 **right**: 120**px !important**;  
}  
  
.**btn-save** {  
 **right**: 72**px !important**;  
}  
  
*/\*margins en paddings\*/*.**m-0** {  
 **margin**: 0 **!important**;  
}  
  
.**mt-0**,  
.**my-0** {  
 **margin-top**: 0 **!important**;  
}  
  
.**mr-0**,  
.**mx-0** {  
 **margin-right**: 0 **!important**;  
}  
  
.**mb-0**,  
.**my-0** {  
 **margin-bottom**: 0 **!important**;  
}  
  
.**ml-0**,  
.**mx-0** {  
 **margin-left**: 0 **!important**;  
}  
  
.**m-1** {  
 **margin**: 0.25**rem !important**;  
}  
  
.**mt-1**,  
.**my-1** {  
 **margin-top**: 0.25**rem !important**;  
}  
  
.**mr-1**,  
.**mx-1** {  
 **margin-right**: 0.25**rem !important**;  
}  
  
.**mb-1**,  
.**my-1** {  
 **margin-bottom**: 0.25**rem !important**;  
}  
  
.**ml-1**,  
.**mx-1** {  
 **margin-left**: 0.25**rem !important**;  
}  
  
.**m-2** {  
 **margin**: 0.5**rem !important**;  
}  
  
.**mt-2**,  
.**my-2** {  
 **margin-top**: 0.5**rem !important**;  
}  
  
.**mr-2**,  
.**mx-2** {  
 **margin-right**: 0.5**rem !important**;  
}  
  
.**mb-2**,  
.**my-2** {  
 **margin-bottom**: 0.5**rem !important**;  
}  
  
.**ml-2**,  
.**mx-2** {  
 **margin-left**: 0.5**rem !important**;  
}  
  
.**m-3** {  
 **margin**: 1**rem !important**;  
}  
  
.**mt-3**,  
.**my-3** {  
 **margin-top**: 1**rem !important**;  
}  
  
.**mr-3**,  
.**mx-3** {  
 **margin-right**: 1**rem !important**;  
}  
  
.**mb-3**,  
.**my-3** {  
 **margin-bottom**: 1**rem !important**;  
}  
  
.**ml-3**,  
.**mx-3** {  
 **margin-left**: 1**rem !important**;  
}  
  
.**m-4** {  
 **margin**: 1.5**rem !important**;  
}  
  
.**mt-4**,  
.**my-4** {  
 **margin-top**: 1.5**rem !important**;  
}  
  
.**mr-4**,  
.**mx-4** {  
 **margin-right**: 1.5**rem !important**;  
}  
  
.**mb-4**,  
.**my-4** {  
 **margin-bottom**: 1.5**rem !important**;  
}  
  
.**ml-4**,  
.**mx-4** {  
 **margin-left**: 1.5**rem !important**;  
}  
  
.**m-5** {  
 **margin**: 3**rem !important**;  
}  
  
.**mt-5**,  
.**my-5** {  
 **margin-top**: 3**rem !important**;  
}  
  
.**mr-5**,  
.**mx-5** {  
 **margin-right**: 3**rem !important**;  
}  
  
.**mb-5**,  
.**my-5** {  
 **margin-bottom**: 3**rem !important**;  
}  
  
.**ml-5**,  
.**mx-5** {  
 **margin-left**: 3**rem !important**;  
}  
  
.**p-0** {  
 **padding**: 0 **!important**;  
}  
  
.**pt-0**,  
.**py-0** {  
 **padding-top**: 0 **!important**;  
}  
  
.**pr-0**,  
.**px-0** {  
 **padding-right**: 0 **!important**;  
}  
  
.**pb-0**,  
.**py-0** {  
 **padding-bottom**: 0 **!important**;  
}  
  
.**pl-0**,  
.**px-0** {  
 **padding-left**: 0 **!important**;  
}  
  
.**p-1** {  
 **padding**: 0.25**rem !important**;  
}  
  
.**pt-1**,  
.**py-1** {  
 **padding-top**: 0.25**rem !important**;  
}  
  
.**pr-1**,  
.**px-1** {  
 **padding-right**: 0.25**rem !important**;  
}  
  
.**pb-1**,  
.**py-1** {  
 **padding-bottom**: 0.25**rem !important**;  
}  
  
.**pl-1**,  
.**px-1** {  
 **padding-left**: 0.25**rem !important**;  
}  
  
.**p-2** {  
 **padding**: 0.5**rem !important**;  
}  
  
.**pt-2**,  
.**py-2** {  
 **padding-top**: 0.5**rem !important**;  
}  
  
.**pr-2**,  
.**px-2** {  
 **padding-right**: 0.5**rem !important**;  
}  
  
.**pb-2**,  
.**py-2** {  
 **padding-bottom**: 0.5**rem !important**;  
}  
  
.**pl-2**,  
.**px-2** {  
 **padding-left**: 0.5**rem !important**;  
}  
  
.**p-3** {  
 **padding**: 1**rem !important**;  
}  
  
.**pt-3**,  
.**py-3** {  
 **padding-top**: 1**rem !important**;  
}  
  
.**pr-3**,  
.**px-3** {  
 **padding-right**: 1**rem !important**;  
}  
  
.**pb-3**,  
.**py-3** {  
 **padding-bottom**: 1**rem !important**;  
}  
  
.**pl-3**,  
.**px-3** {  
 **padding-left**: 1**rem !important**;  
}  
  
.**p-4** {  
 **padding**: 1.5**rem !important**;  
}  
  
.**pt-4**,  
.**py-4** {  
 **padding-top**: 1.5**rem !important**;  
}  
  
.**pr-4**,  
.**px-4** {  
 **padding-right**: 1.5**rem !important**;  
}  
  
.**pb-4**,  
.**py-4** {  
 **padding-bottom**: 1.5**rem !important**;  
}  
  
.**pl-4**,  
.**px-4** {  
 **padding-left**: 1.5**rem !important**;  
}  
  
.**p-5** {  
 **padding**: 3**rem !important**;  
}  
  
.**pt-5**,  
.**py-5** {  
 **padding-top**: 3**rem !important**;  
}  
  
.**pr-5**,  
.**px-5** {  
 **padding-right**: 3**rem !important**;  
}  
  
.**pb-5**,  
.**py-5** {  
 **padding-bottom**: 3**rem !important**;  
}  
  
.**pl-5**,  
.**px-5** {  
 **padding-left**: 3**rem !important**;  
}

## app.js

$(**function**(){  
 ***document***.addEventListener(**"deviceready"**, *onDeviceReady*, **false**);  
 ***document***.addEventListener(**"offline"**, onOffline, **false**);  
  
 $(**'.sidenav'**).sidenav();  
  
 $(**'.sidenav a'**).click(**function**() {  
 $(**'.spa'**).hide();  
 $(**'#'** + $(**this**).data(**'show'**)).show();  
 $(**'.sidenav'**).sidenav(**'close'**);  
 });  
  
 **function** onOffline() {  
 alert(**'Lost internet connection!'**);  
 }  
  
 $(**'#favorites'**).on(**'click'**, **'.btn-delete'**, **function** () {  
 **const** id = $(**this**).data(**'favorite'**); *//id = value x from data-favorite="x"* Favorite.deleteFavorite(id);  
 })  
});  
  
**function** onDeviceReady() {  
 *//console.log('Device is ready');* Main.init();  
 Favorite.init();  
}

## main.js

**let *Main*** = **function**() {  
 **const** wallhavenUrl = **"https://wallhaven.cc/api/v1/search"**;  
 **const** wallhavenKey = **"6NyKaLrzoDa8kgW7zw93aDZ40bpf1hhT"**;  
 **const** searchwithAPI = **`**${wallhavenUrl}**?apikey=**${wallhavenKey}**`**;  
  
 *//Maak van de full image link een tweede link naar de preview size image* **function** remakeUrl(url) {  
 **const** newUrl = url.replace(**'w'**, **'th'**).replace(**'full'**, **'lg'**).replace(**'wallhaven-'**, **''**);  
 **const** pos = newUrl.lastIndexOf(**'.'**);  
 **return** newUrl.substring(0, pos) + **'.jpg'**;  
 }  
  
 *//Herbruikbare function om een wallpaper te downloaden* **function** DownloadToDevice(fileurl) {  
 **let** blob = **null**;  
 **const** xhr = **new *XMLHttpRequest***();  
 xhr.open(**"GET"**, fileurl);  
 xhr.**responseType** = **"blob"**; *//force the HTTP response, response-type header to be blob* xhr.**onload** = **function** () {  
 blob = xhr.**response**; *//xhr.response is now a blob object  
 //console.log(blob);* **let** storageLocation = **'file:///storage/emulated/0/'**;  
 **const** folderpath = storageLocation + **"Download"**;  
 *//Creëer 4 random integers* **function** rndInt() {  
 **return *Math***.floor(1000 + ***Math***.random() \* 9000)  
 }  
 **const** filename = **"Wallmania"**+rndInt()+**"-"**+rndInt()+**"-"**+rndInt()+**".png"**;  
 **const** DataBlob = blob;  
 ***window***.resolveLocalFileSystemURL(folderpath, **function** (dir) {  
 dir.getFile(filename, {  
 **create**: **true** }, **function** (file) {  
 file.createWriter(**function** (fileWriter) {  
 fileWriter.write(DataBlob);  
 *//Download was succesfull  
 alert*(**'Wallpaper has been downloaded!'**);  
 }, **function** (err) {  
 *// Failed  
 alert*(**'Error, file could not be downloaded!'**)  
 });  
 });  
 });  
 };  
 xhr.send();  
 }  
  
 *//Herbruikbare function om van image URL een base64 te maken* **function** toDataURL(url, callback) {  
 **const** xhr = **new *XMLHttpRequest***();  
 xhr.**onload** = **function**() {  
 **const** reader = **new** *FileReader*();  
 reader.**onloadend** = **function**() {  
 callback(reader.**result**);  
 }  
 reader.readAsDataURL(xhr.**response**);  
 };  
 xhr.open(**'GET'**, url);  
 xhr.**responseType** = **'blob'**;  
 xhr.send();  
 }  
  
 **let** init = **function**() {  
  
 *//standaard waarden voor categories* **let** general = **'1'**;  
 **let** anime = **'1'**;  
 **let** people = **'1'**;  
 **const** originalPagination = $(**'#pag'**).html();  
  
 *//standaard waarden voor purity* **let** sfw = **'1'**;  
 **let** sketchy = **'0'**;  
 **let** nsfw = **'0'**;  
  
 *//Knoppen voor filter op wallpaper page => categorieën* $(**'#general'**).unbind().click(**function**() {  
 **if** ($(**this**).hasClass(**'off'**)) {  
 *//To do when enabling* general = **'1'**;  
 $(**this**).removeClass(**'off'**);  
 } **else** {  
 *//To do when disabling* general = **'0'**;  
 $(**this**).addClass(**'off'**);  
 }  
 });  
 $(**'#anime'**).unbind().click(**function**() {  
 **if** ($(**this**).hasClass(**'off'**)) {  
 anime = **'1'**;  
 $(**this**).removeClass(**'off'**);  
 } **else** {  
 anime = **'0'**;  
 $(**this**).addClass(**'off'**);  
 }  
 });  
 $(**'#people'**).unbind().click(**function**() {  
 **if** ($(**this**).hasClass(**'off'**)) {  
 people = **'1'**;  
 $(**this**).removeClass(**'off'**);  
 } **else** {  
 people = **'0'**;  
 $(**this**).addClass(**'off'**);  
 }  
 });  
  
 *//Knoppen voor settings page => purity filter, werkt enkel met API key* $(**'#sfw'**).unbind().click(**function**() {  
 **if** ($(**this**).hasClass(**'off'**)) {  
 *//To do when enabling* sfw = **'1'**;  
 $(**this**).removeClass(**'off'**);  
 } **else** {  
 *//To do when disabling* sfw = **'0'**;  
 $(**this**).addClass(**'off'**);  
 }  
 });  
 $(**'#sketchy'**).unbind().click(**function**() {  
 **if** ($(**this**).hasClass(**'off'**)) {  
 sketchy = **'1'**;  
 $(**this**).removeClass(**'off'**);  
 } **else** {  
 sketchy = **'0'**;  
 $(**this**).addClass(**'off'**);  
 }  
 });  
 $(**'#nsfw'**).unbind().click(**function**() {  
 **if** ($(**this**).hasClass(**'off'**)) {  
 **switch** (*confirm*(**'This will enable "NOT SAFE FOR WORK" content.\nDo you want to proceed?'**)) {  
 **case true**:  
 nsfw = **'1'**;  
 $(**this**).removeClass(**'off'**);  
 *alert*(**'You entered the danger zone!'**);  
 **break**;  
 **case false**:  
 *alert*(**'You stayed in the safe zone!'**);  
 }  
 }  
 **else** {  
 *alert*(**'Back in the safe zone!'**)  
 nsfw = **'0'**;  
 $(**this**).addClass(**'off'**);  
 }  
 });  
  
 *//Herbruikbare function voor wallpapers weer te geven* **function** show(page) {  
 ***navigator***.**splashscreen**.*show*();  
 *//Slaag selector op in variabele voor hergebruik* **const** wallpapers = $(**'#wallpapers'**);  
 *//Maak het #wallpapers element leeg bij elke nieuwe zoekactie en hide page tot alle wallpapers geladen zijn* wallpapers.empty();  
 *//waarde optellen voor categories* **let** categories = general+anime+people;  
 **if** (categories === **'000'**) {  
 categories = **'111'**;  
 }  
 *//waarde optellen voor purity* **let** purity = sfw+sketchy+nsfw;  
 **if** (purity === **'000'**) {  
 purity = **'100'**;  
 }  
  
 *//Maak een JSON-object met alle parameters* **const** pars = {  
 **q**: $(**'#search-text'**).val(), *//q = query parameter for tagnames, id, @username, type, etc.* **categories**: categories, *//general,anime,people => 1 is on, 0 is off* **purity**: purity, *//sfw,sketchy,nsfw => 1 is on, 0 is off (nsfw enkel met API key)* **page**: page, *//no page results in page 1* };  
  
 *//Toon URL met query parameters in console  
 //console.log('API call:', `${wallhavenUrl}?${$.param(pars)}`);  
  
 //Main MET API Key + custom filters:* $.getJSON(searchwithAPI, pars, **function** (data) {  
  
 *//Main ZONDER API Key:  
 //$.getJSON(wallhavenUrl, pars, function (data) {* $.each(data, **function** (index, value) {  
  
 *//Variabele met de current page* **const** currentPage = value.current\_page;  
 *//Variabele met de max aantal pages* **const** lastPage = value.last\_page;  
 *//Variabele met totaal aantal zoekresultaten* **const** totalFind = value.**total**;  
 *//console.log(currentPage, lastPage, totalFind)* **if** (totalFind === 0) {  
 $(**'.pagination'**).hide();  
 *alert*(**'No search results were found!'**);  
 }  
 **else** {  
 **if** (totalFind <= 24) {  
 $(**'.pagination'**).hide();  
 }  
 **else** {  
 $(**'.pagination'**).show();  
 }  
  
 *//Looping door de Array* **for** (**i** = 0; **i** < value.**length**; **i** = **i** + 1) {  
 *//Variabele met het path van de full size image/wallpaper (URL)* **const** fullUrl = value[**i**].**path**;  
 *//Variabele met de resolutie* **const** resolution = value[**i**].resolution;  
 *//Variabele met de categorie* **const** category = value[**i**].category;  
  
 *//Plaats de afbeeldingen in het #wallpapers element* $(**'#wallpapers'**).append(  
 **`<div class="col s12 no-padding">  
 <div class="card">  
 <div class="card-image">  
 <img id="**${[**i**]}**" class="preview" src="**${remakeUrl(fullUrl)}**" alt="preview" data-fullUrl="**${fullUrl}**" role="button">  
 <span class="card-title">**${category}**</span>  
 <a class="btn-fav btn-floating halfway-fab waves-effect waves-light color" role="button"><i class="material-icons">favorite\_border</i></a>  
 <a class="btn-save btn-floating halfway-fab waves-effect waves-light color" role="button"><i class="material-icons">file\_download</i></a>  
 <a class="btn-set btn-floating halfway-fab waves-effect waves-light color" role="button"><i class="material-icons">wallpaper</i></a>  
 </div>  
 <div class="card-content">  
 <p>**${resolution}**</p>  
 </div>  
 </div>  
 </div>`** );  
 }  
 }  
 });  
 });  
  
 *//Pagination* $(**'ul.pagination'**).**children**(**'li.waves-effect'**).unbind().**click**(**function** () {  
 **const** pageNumber = $(**this**).**children**(**'a'**)[0].**innerText**;  
 **const** activePage = ***document***.getElementsByClassName(**'active'**, **'color-1'**)[1];  
 **if** (pageNumber >= 1 && pageNumber <= 5) {  
 activePage.**classList**.remove(**'active'**, **'color'**);  
 $(**this**).addClass(**'active'**); $(**this**).addClass(**'color'**);  
 show(pageNumber);  
 }  
 });  
  
 *//Delay op splashscreen  
 setTimeout*(**function**() {  
 ***navigator***.**splashscreen**.*hide*();  
 }, 1000);  
 }  
  
 $(***document***).ready(**function** () {  
  
 *// photoviewer opties (plug-in)* **let** options = {  
 **share**: **true**, *// default is false* **closeButton**: **true**, *// default is true* **copyToReference**: **true**, *// default is false* **headers**: **''**, *// If this is not provided, an exception will be triggered* **piccasoOptions**: { } *// If this is not provided, an exception will be triggered* };  
  
 *//Wanneer er op de image wordt geklikt* $(***document***).undelegate(**'img.preview'**, **'click'**).delegate(**'img.preview'**, **'click'**, **function** () {  
 **const** url = $(**this**).attr(**'data-fullUrl'**);  
 PhotoViewer.*show*(url, url, options);  
 })  
  
 *//Wanneer er op save wallpaper wordt geklikt* $(***document***).undelegate(**'.btn-save'**, **'click'**).delegate(**'.btn-save'**, **'click'**, **function** () {  
 **const** url = $(**this**).siblings(**'img.preview'**).attr(**'data-fullUrl'**);  
 **switch** (*confirm*(**'Download image to gallery?'**)) {  
 **case true**:  
 DownloadToDevice(url);  
 }  
 });  
  
 *//Wanneer er op set wallpaper wordt geklikt* $(***document***).undelegate(**'.btn-set'**, **'click'**).delegate(**'.btn-set'**, **'click'**, **function** () {  
 **const** url = $(**this**).siblings(**'img.preview'**).attr(**'data-fullUrl'**);  
 **switch** (*confirm*(**'Set image as wallpaper?'**)) {  
 **case true**:  
 toDataURL(url, **function** (dataUrl) {  
 **const** base64 = dataUrl.split(**','**)[1];  
 ***window***.**plugins**.**wallpaper**.setImageBase64(base64);  
 *alert*(**'Done, wallpaper has been set ;)'**);  
 });  
 }  
 });  
  
 *//Wanneer er op favorite wordt geklikt (Local storage)* $(***document***).undelegate(**'.btn-fav'**, **'click'**).delegate(**'.btn-fav'**, **'click'**, **function** () {  
 **const** url = $(**this**).siblings(**'img.preview'**).attr(**'data-fullUrl'**);  
 **switch** (*confirm*(**'Save wallpaper in favorites?'**)) {  
 **case true**:  
 ***Favorite***.addFavorite(url);  
 }  
 });  
 });  
  
 *// Geef wallpapers weer na het openen van de app* show(1);  
  
 *//wanneer we op de search knop drukken => nieuwe wallpapers weergeven* $(**'#search'**).unbind().click(**function** () {  
 $(**'#pag'**).html(originalPagination);  
 show(1);  
 });  
 };  
  
 **return** {  
 init: init,  
 remakeUrl: remakeUrl,  
 };  
}();

## favorite.js

**const *Favorite*** = **function** () {  
  
 **let** \_favorites = [];  
  
 **const** \_setLocalStorage = **function** () {  
 ***localStorage***.setItem(**'favorites'**, ***JSON***.stringify(\_favorites)); *//localStorage.setItem('key', 'value')* \_favoritesList();  
 }  
 **const** \_favoritesList = **function** () {  
 $(**'#favorites'**).empty(); *//remove all li tags* \_favorites.forEach(**function** (value, key) {  
 *//console.log(value , key)  
 //Maak URL voor preview van de full image URL* **const** previewUrl = ***Main***.remakeUrl(value);  
  
 **const** item = **`<div class="col s12 no-padding">  
 <div class="card">  
 <div class="card-image">  
 <img class="favorite preview" src="**${previewUrl}**" alt="preview" data-fullUrl="**${value}**" role="button">  
 <a class="btn-delete btn-floating halfway-fab waves-effect waves-light color-delete" role="button" data-favorite="**${key}**"><i class="material-icons">delete\_forever</i></a>  
 <a class="btn-save btn-floating halfway-fab waves-effect waves-light color" role="button"><i class="material-icons">file\_download</i></a>  
 <a class="btn-set btn-floating halfway-fab waves-effect waves-light color" role="button"><i class="material-icons">wallpaper</i></a>  
 <span class="card-title">**${key+1}**</span>  
 </div>  
 <div class="card-content">  
 <p>**${value}**</p>  
 </div>  
 </div>  
 </div>`**;  
 $(**'#favorites'**).append(item);  
 });  
 };  
  
 **const** init = **function** () {  
 **const** urlString = ***localStorage***.getItem(**'favorites'**)  
 **if** (urlString !== **null**) {  
 \_favorites = []; *//empty the array* \_favorites = ***JSON***.parse(urlString);  
 }  
 \_favoritesList();  
 };  
  
 **const** addFavorite = **function** (value) {  
 **if** (\_favorites.indexOf(value) !== -1) {  
 *alert*(**'You already have this wallpaper saved in favorites ♥'**);  
 }  
 **else** {  
 \_favorites.push(**`**${value}**`**); *//add the url at the end (push) or in front (unshift) of the array* \_setLocalStorage();  
 *alert*(**'Wallpaper saved in favorites ♥'**);  
 }  
 };  
  
 **const** deleteFavorite = **function** (id) {  
 **if**(*confirm*(**'Delete this favorite?'**)) {  
 \_favorites.splice(id, 1); *//remove the x-th element from the array* \_setLocalStorage();  
 }  
 };  
  
 **return** {  
 init: init,  
 addFavorite: addFavorite,  
 deleteFavorite : deleteFavorite,  
 };  
}();