

Technical test report

<https://github.com/huberrtooo/technical-test.git>

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TASK 1

There are some styling changes required, and there is a high chance that there will be a lot more styling changes needed in the future. Where would you insert your custom CSS rules?

ANSWER TASK 1

To make styling changes to the default TwentyTwenty theme I would create a child theme and do modifications into the child theme.

It's an elegant and clean way to manage some changes in parent theme styles. When someone updates the parent theme, our changes will not be lost.

I've created child theme by:

1. Create a child theme directory into wp-content/themes
2. Create style.css file into child theme and write into some informations
3. Create child theme structure: "src", "dist" directories. I use SCSS and webpack, so I also added webpack.config.js and package.json files.
4. Enqueue the child theme stylesheet into functions.php (styles from child theme should load after parent theme styles)
5. Add some styles in child theme
6. Active child theme in WordPress dashboard

```
<!DOCTYPE html>
<html class="js" lang="pl-PL">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="profile" href="https://gmpg.org/xfn/11">
    <title>Technical Test</title>
    <meta name="robots" content="noindex, nofollow">
    <link rel="alternate" type="application/rss+xml" title="Technical Test » Kanał z wpisami"
      href="//localhost:3000/feed/">
    <link rel="alternate" type="application/rss+xml" title="Technical Test » Kanał z komentarzami"
      href="//localhost:3000/comments/feed/">
    <script></script>
    <style id="wp-emoji-styles-inline-css"></style>
    <link rel="stylesheet" id="wp-block-library-css" href="//localhost:3000/wp-includes/css/dist/block-library/style.min.css?ver=6.4.2" media="all">
    <style id="classic-theme-styles-inline-css"></style>
    <style id="global-styles-inline-css"></style>
    <link rel="stylesheet" id="parent-style-css" href="//localhost:3000/wp-content/themes/twentytwenty/style.css?ver=6.4.2" media="all">
    <link rel="stylesheet" id="child-style-css" href="//localhost:3000/wp-content/themes/twentytwenty-child/dist/main.css?ver=1.0.0" media="all">
    <link rel="stylesheet" id="twentytwenty-style-css" href="//localhost:3000/wp-content/themes/twentytwenty-child/style.css?ver=1.0" media="all">
    <style id="twentytwenty-style-inline-css"></style>
    <link rel="stylesheet" id="twentytwenty-print-style-css" href="//localhost:3000/wp-content/themes/twentytwenty/print.css?ver=1.0" media="print">
    <script src="//localhost:3000/wp-includes/js/jquery/jquery.min.js?ver=3.7.1" id="jquery-core-js"></script>
```

TASK 2

Load a custom JavaScript located in assets/js/scripts.js (file depends on jQuery and should be loaded in the footer rather than header)

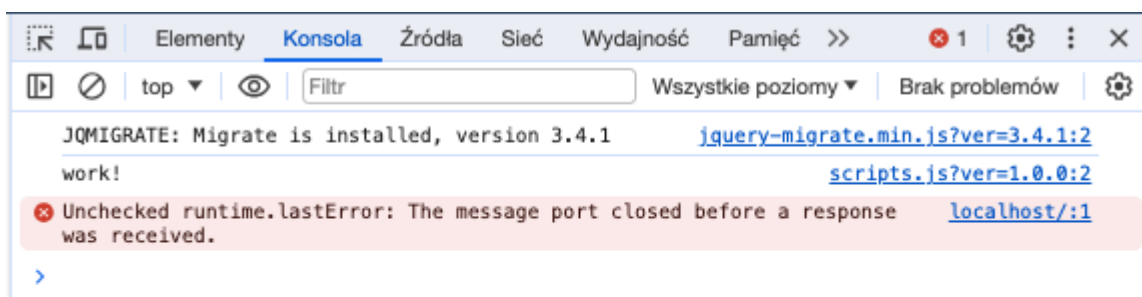
ANSWER TASK 2

To do this, I've:

1. created structure in twentytwenty-child theme: assets/js/scripts.js
2. Enqueued the Child Theme Scripts into functions.php
3. placed some js into scripts.js

```
<!DOCTYPE html>
<html class="js" lang="pl-PL">
  <head>...</head>
  <body class="home page-template-default page page-id-10 wp-embed-responsive singular enable
  -search-modal missing-post-thumbnail has-no-pagination not-showing-comments show-avatars fo
  oter-top-visible">
    <script id="__bs_script__">...</script>
    <script async src="/browser-sync/browser-sync-client.js?v=2.29.3"></script>
    <a class="skip-link screen-reader-text" href="#site-content" data-abc="true">Przejdź do
    treści</a>
    <header id="site-header" class="header-footer-group">...</header>
    <!-- #site-header -->
    <div class="menu-modal cover-modal header-footer-group" data-modal-target-string=".menu-m
    odal">...</div>
    <!-- .menu-modal -->
    <main id="site-content">...</main>
    <!-- #site-content -->
    <div class="footer-nav-widgets-wrapper header-footer-group">...</div>
    <!-- .footer-nav-widgets-wrapper -->
    <footer id="site-footer" class="header-footer-group">...</footer>
    <!-- #site-footer -->
    <script src="//localhost:3000/wp-content/themes/twentytwenty-child/assets/js/scripts.js?v
    er=1.0.0" id="custom-scripts-js"></script> == $0
  </body>
</html>
```

```
public > wp-content > themes > twentytwenty-child > assets > js > JS scripts.js > ...
1   jQuery(document).ready(function($) {
2     console.log('work!');
3   });
```

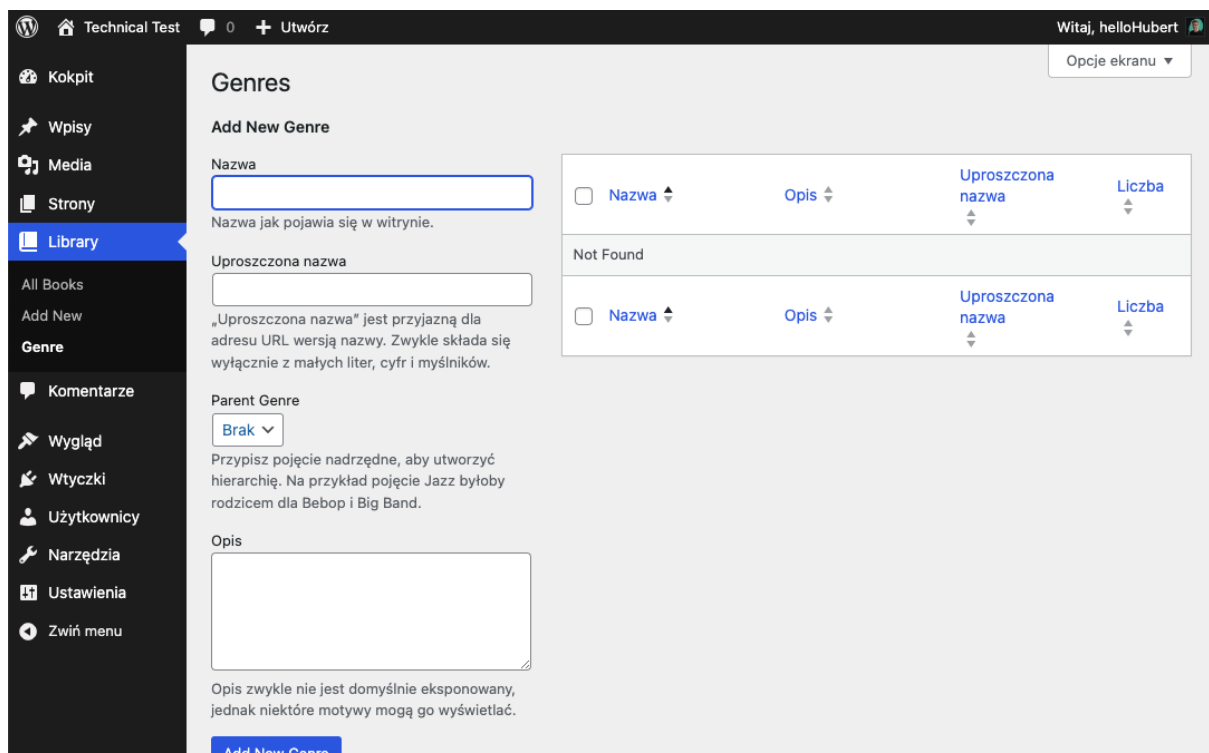
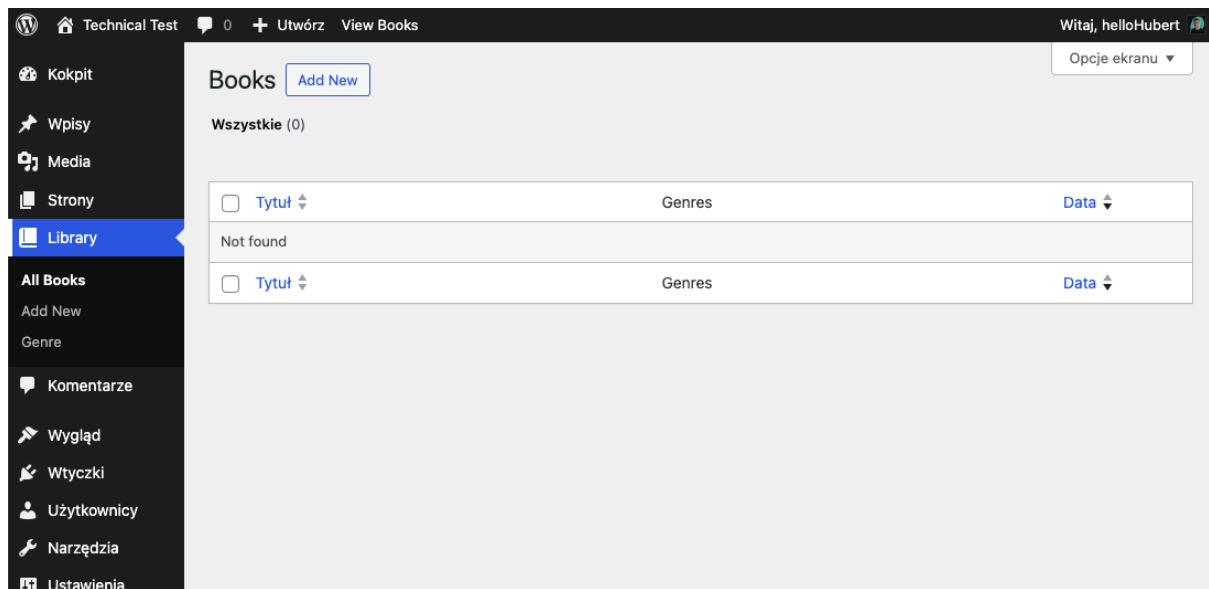


TASK 3

Write a code which will add custom post type "Books" with taxonomy "Genre".
Custom post type must have slug "library" and translatable labels,
Taxonomy must have slug "book-genre" and translatable labels.

ANSWER TASK 3

To add a custom post type named "Books" with a taxonomy named "Genre" I've written some code in a child theme functions.php file. To speed up the process, I used an online tool: <https://generatewp.com/post-type> As a result we have new CPT with Taxonomy in WP admin panel:



TASK 4

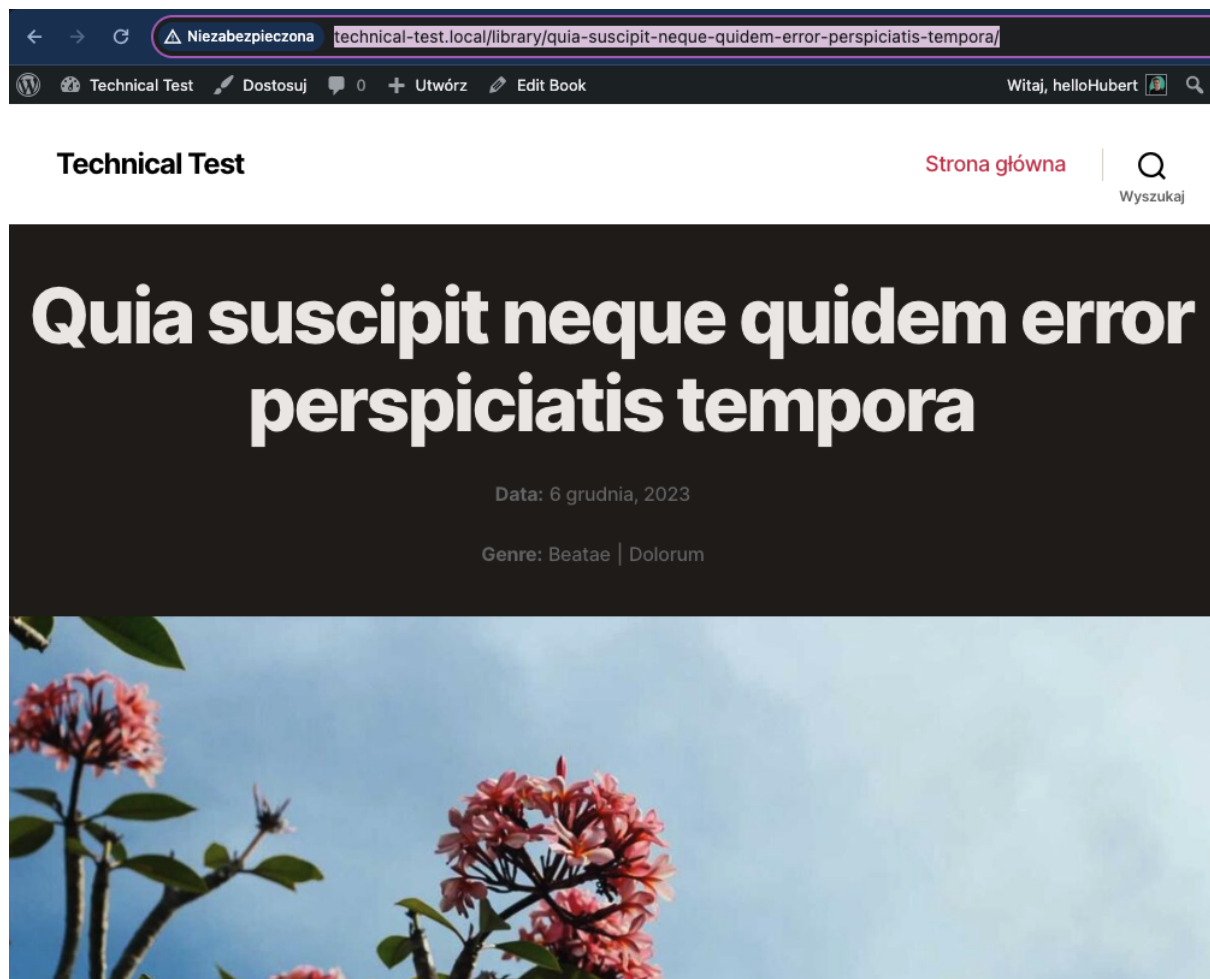
Create custom templates for:

4.1. Single Book page – displays Book title, image, book genre, date

4.2. Genre page (taxonomy) – displays list of Books from specific genre (5 books per page, please implement pagination or simple links to show next/previous page)

ANSWER TASK 4.1

In this task I've created template-parts for "content-library". I used the existing WP Query loop, changing only the content of the entry. Thanks to this, in the Single Book Page (CPT "library") the following are displayed: title, image, species and date of publication of the entry.



ANSWER TASK 4.2

In this task I've created a "taxonomy-book-genre.php" file. I've put a custom query inside it to display posts (Books) from specific genres. Set posts per page for taxonomy "book-genre" I've done via function in functions.php. You can test pagination in "beatae" book genre, because there is more than 5 book added.

TASK 5

Create two shortcodes:

5.1. First one should return the title of most recent book.

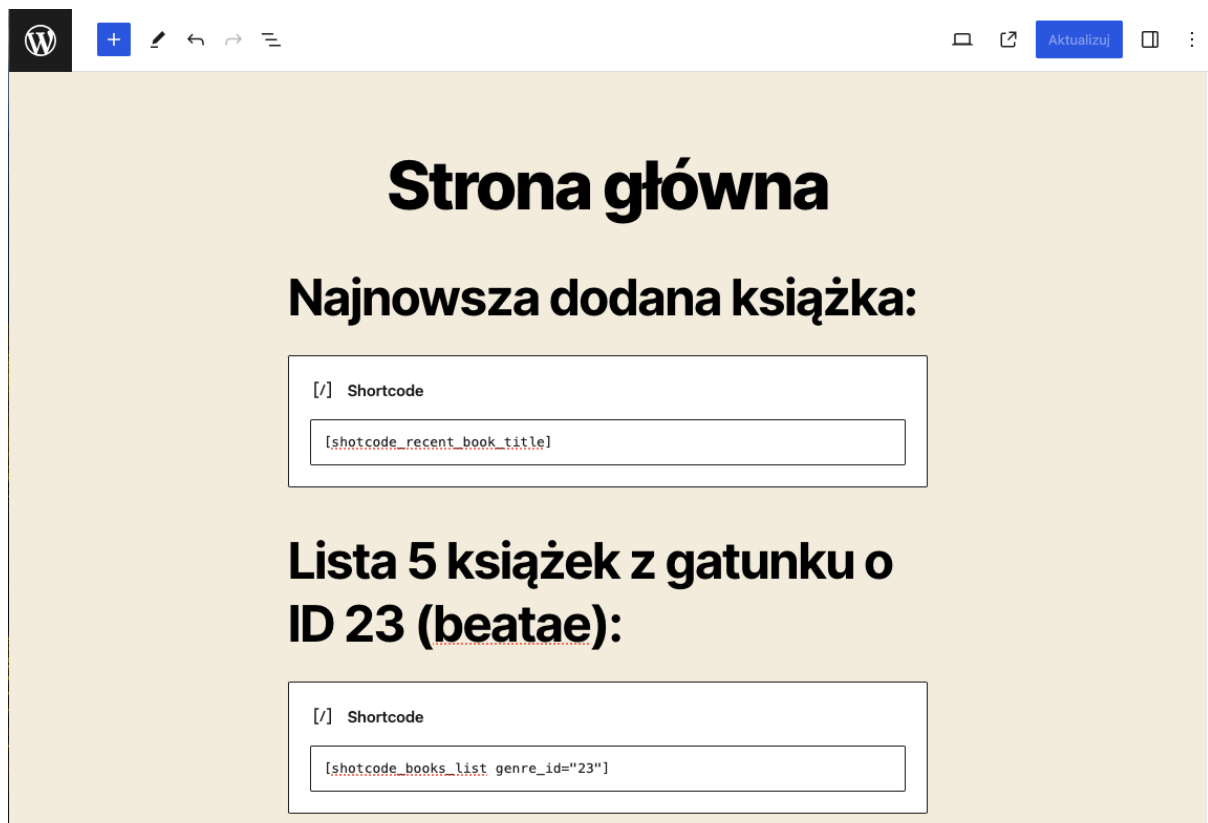
5.2. Second one will return a list of 5 books from given Genre (user must be able to specify genre, let's assume it's just term ID). Returned books should be sorted alphabetically.

ANSWER TASK 5.1

I created a new shortcode in functions.php in the child theme. I used wp-query to iterate through book entries and return the title of the most recently added book. The shortcode is called on the home page using the "Shortcode" block.

ANSWER TASK 5.2

The same as previous, but shortcode has attribute (genre ID)



Najnowsza dodana książka:

Sed omnis hic aliquid id sint aut

Lista 5 książek z gatunku o ID 23 (beatae):

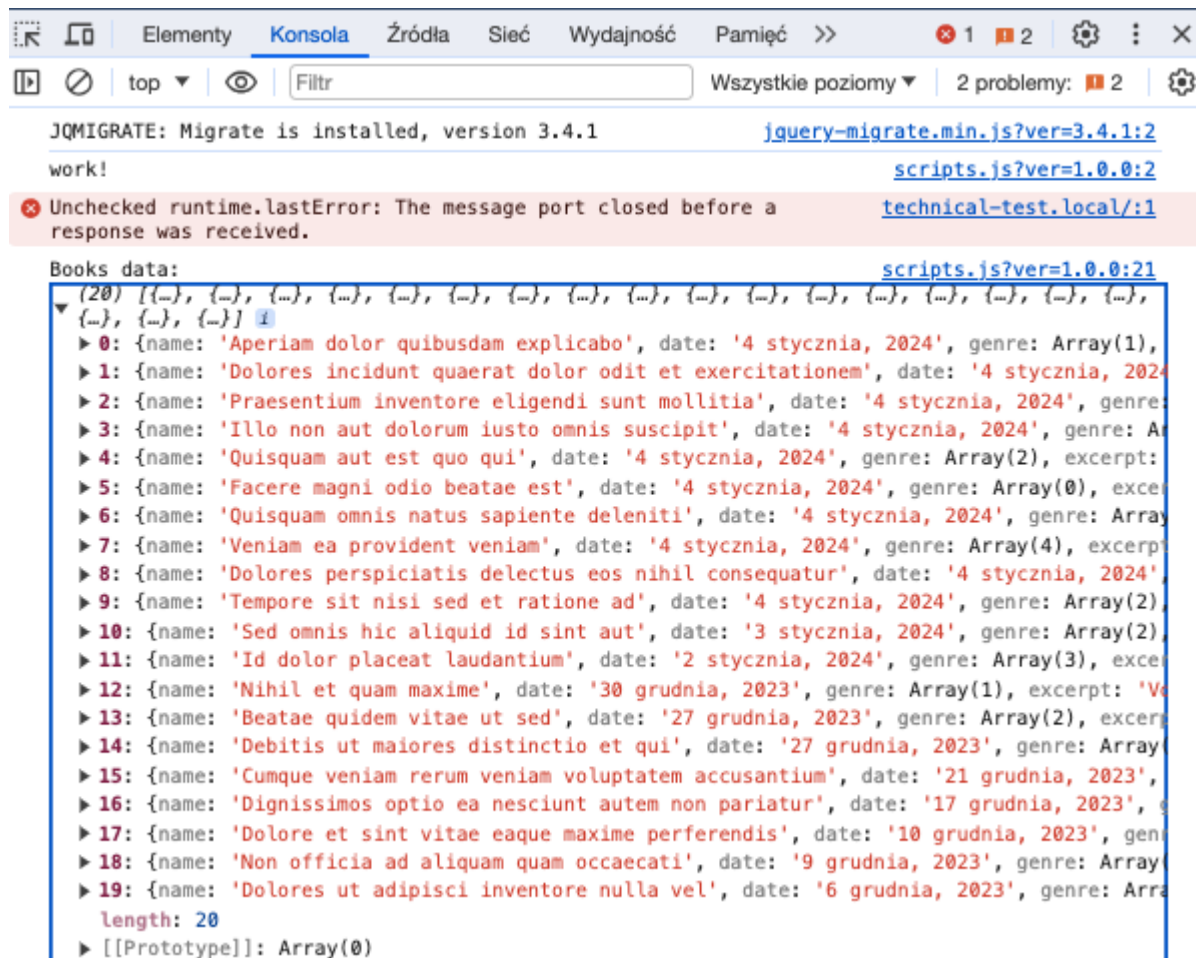
- Dignissimos optio ea nesciunt autem non pariatur
- Dolores ut adipisci inventore nulla vel
- Id dolor placeat laudantium
- Id non consequuntur architecto consequatur praesentium
- Nihil et quam maxime

TASK 6 - bonus

Create an AJAX callback returning 20 books in JSON format. JSON should only contain following fields: name, date, genre, excerpt. You can use scripts.js file created previously in Task 2 to make an AJAX call

ANSWER TASK 6

I've set up both the server-side and client-side code. On functions.php I've added code to AJAX callback, while in scripts.js file I've added code to make AJAX call when the button on homepage will be pressed. I also had to add wp_localize_script to existing Enqueue the Child Theme Scripts function to pass AJAX URL to scripts.js. At the end of day, AJAX call works fine!



Time report

Clockwork Free

  4h 30m logged on ☒ RF-21

 4h 30m

Worklogs

Key	Issue	Comment	Time spent		
<input checked="" type="checkbox"/> RF-21	Technical Test - Kordian	TASK 6	1h 20m		...
			05-01-2024		
<input checked="" type="checkbox"/> RF-21	Technical Test - Kordian	TASK 5.1, 5.2	45m		...
			05-01-2024		
<input checked="" type="checkbox"/> RF-21	Technical Test - Kordian	TASK 4.1, 4.2	51m		...
			05-01-2024		
<input checked="" type="checkbox"/> RF-21	Technical Test - Kordian	TASK 3	22m		...
			05-01-2024		
<input checked="" type="checkbox"/> RF-21	Technical Test - Kordian	TASK 2	24m		...
			05-01-2024		
<input checked="" type="checkbox"/> RF-21	Technical Test - Kordian	Init WordPress + TASK 1	48m		...
			05-01-2024		