

أكاديمية طويق
TUWAIQ ACADEMY



دورة برمجة وتطوير مواقع الإنترنت باستخدام إطار العمل **php Laravel**

Sarah Alrashidi

Tasks:

1- Define the Route

2- What is the url and what is the root url

3- Create a route whose address is test. Once executed, it prints the word test

4- Create a route whose address is phone. Once executed, it calls a page containing the title "هلاً بكم في متجر التكنولوجيا الحديثة لبيع الهواتف".

5- Create a route called phonedisplay. When called, it displays a page called phonedetails, and sends a matrix containing the type of phone, price, color, and the matrix print on the page.

6- Create a Route called oldphone. When called, it calls a page called oldphone, taking into account the creation of this page inside a folder named old that contains the following sentence
Number of old phones = 254 phones

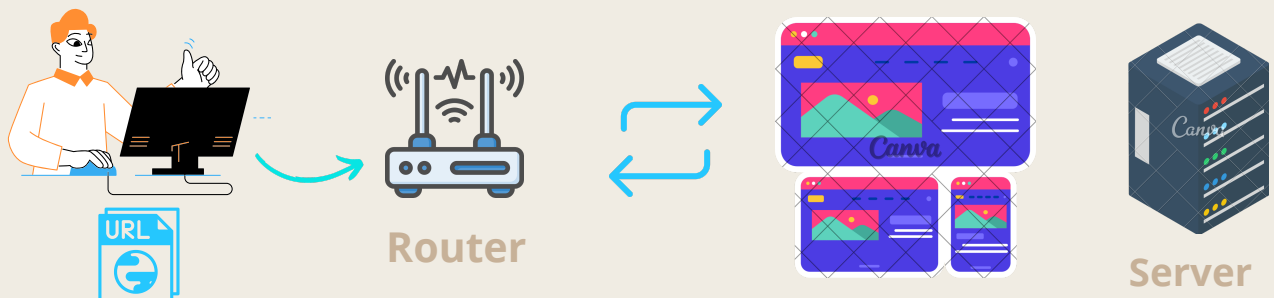
7- Try including the bootstrap in one of the pages that you created, and try creating a row containing three columns. In the first column, write the phone number, in the second column - the type of phone, and in the third column - the price of the phone only #

1- Define the Route

Router: A device that deals with websites with two processes (**request** and **response**).

Request From **Client**

Response From **Web Application**



2- What is the url and what is the root url

A URL (Uniform Resource Locator) is a unique identifier used to locate a resource on the Internet. It is also referred to as a web address

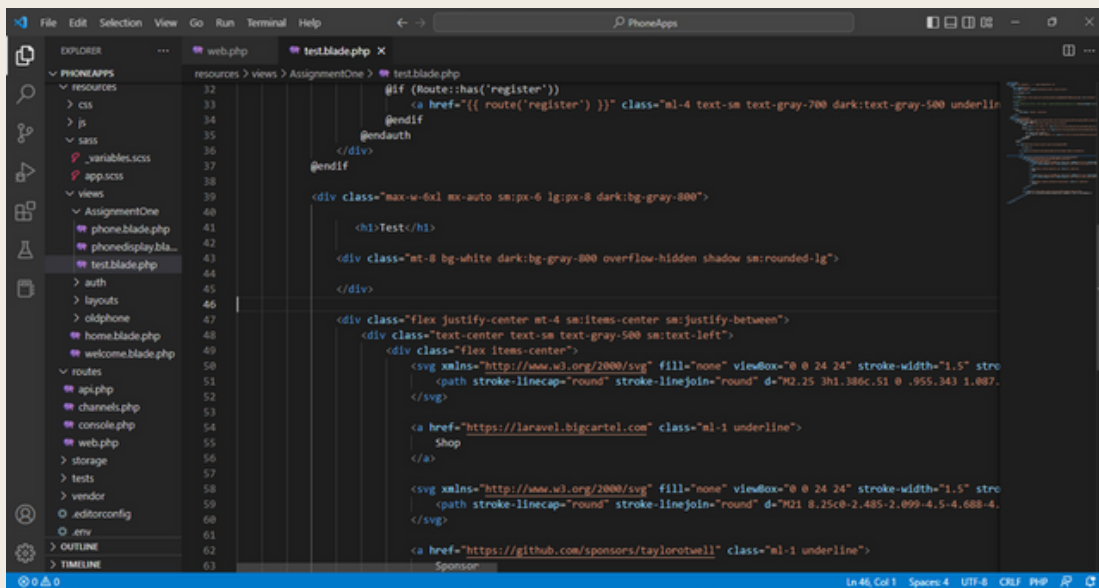
WWW.WebName.com

Ex: www.amazon.com

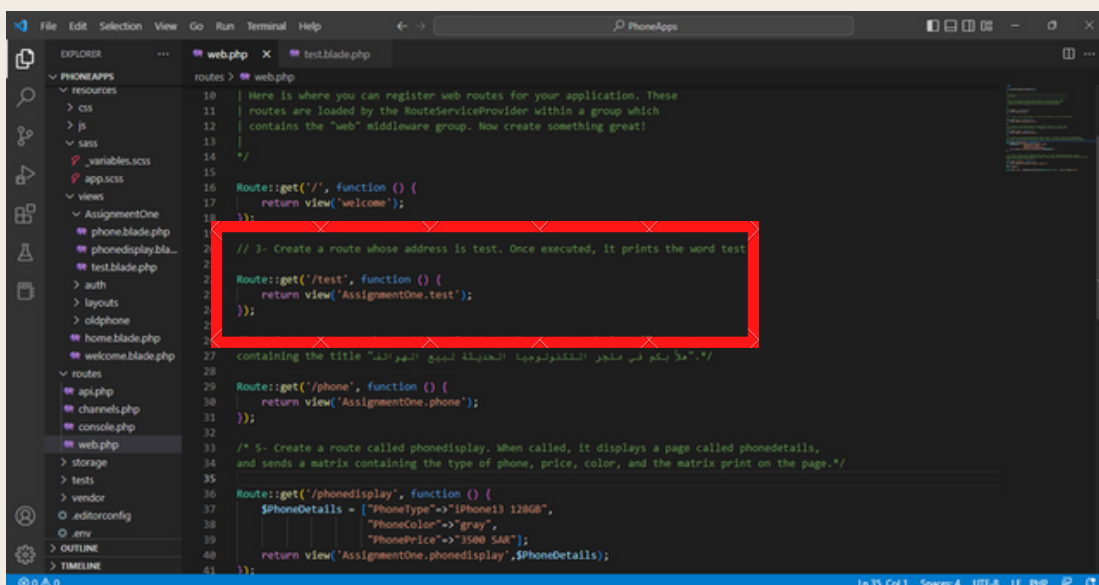


The above url is the **Domain Name** which refers to **root\base** url the remain comes after / is the **Subdirectory**

3- Create a route whose address is test. Once executed, it prints the word test

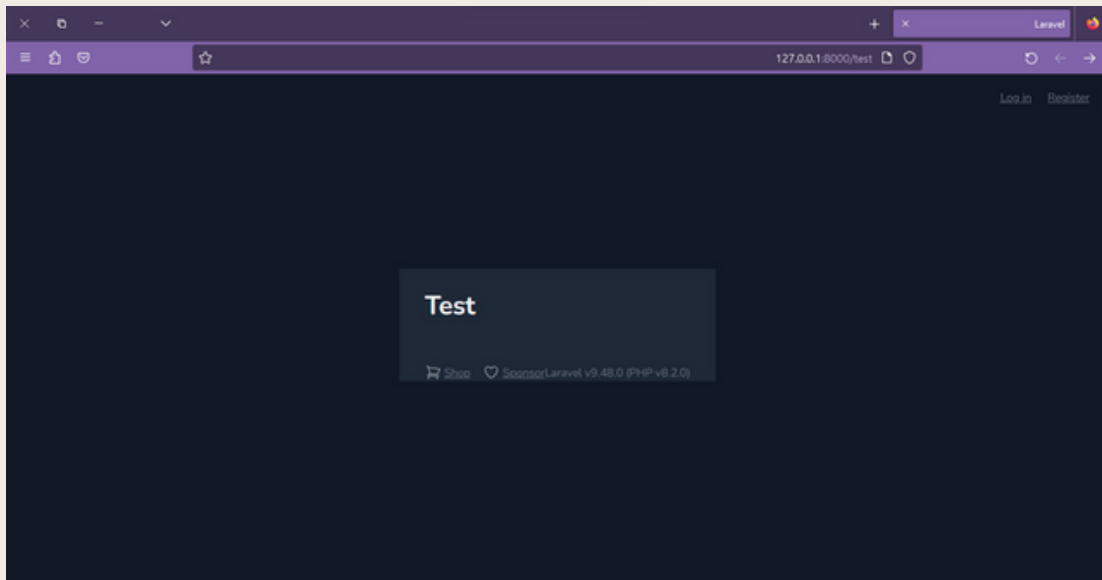


```
resources > views > AssignmentOne > test.blade.php
32 @if (Route::has('register'))
33     <a href="{{ route('register') }}" class="ml-4 text-sm text-gray-700 dark:text-gray-500 underline">
34         Register
35     </a>
36 @endif
37 @endif
38 @endif
39 <div class="max-w-6xl mx-auto sm:px-6 lg:px-8 dark:bg-gray-800">
40
41     <h1>Test</h1>
42
43     <div class="mt-8 bg-white dark:bg-gray-800 overflow-hidden shadow sm:rounded-lg">
44
45     </div>
46
47     <div class="flex justify-center mt-4 sm:items-center sm:justify-between">
48         <div class="text-center text-sm text-gray-500 sm:text-left">
49             <div class="flex items-center">
50                 <svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke-width="1.5" stroke="
51                     <path stroke-linecap="round" stroke-linejoin="round" d="M2.25 3h1.386c.51 0 .955.343 1.087
52                 </svg>
53             </div>
54             <a href="https://laravel.bigcartel.com" class="ml-1 underline">
55                 Shop
56             </a>
57
58             <svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke-width="1.5" stroke="
59                 <path stroke-linecap="round" stroke-linejoin="round" d="M21 8.25c0-2.485-2.099-4.5-4.688-4.
60             </svg>
61
62             <a href="https://github.com/sponsors/taylorotwell" class="ml-1 underline">
63                 Sponsor
```



```
File Edit Selection View Go Run Terminal Help PhoneApps
EXPLORER
PHONEAPPS
resources
> css
> js
> sass
_variables.scss
app.scss
views
AssignmentOne
phone.blade.php
phonedisplay.blade.php
test.blade.php
auth
layouts
oldphone
home.blade.php
welcome.blade.php
routes
api.php
channels.php
console.php
web.php
storage
tests
vendor
editorconfig
.env
OUTLINE
TIMELINE
Ln 46, Col 1 Spaces: 4 UTF-8 CNLF PHP

10 Here is where you can register web routes for your application. These
11 routes are loaded by the RouteServiceProvider within a group which
12 contains the "web" middleware group. Now create something great!
13
14 /*
15
16 Route::get('/', function () {
17     return view('welcome');
18 });
19
20 // 3- Create a route whose address is test. Once executed, it prints the word test
21
22 Route::get('/test', function () {
23     return view('AssignmentOne.test');
24 });
25
26 containing the title "ملا بكم في متجر التكنولوجيا الحديثة لجميع الهواتف"/
27
28
29 Route::get('/phone', function () {
30     return view('AssignmentOne.phone');
31 });
32
33 /* 5- Create a route called phonedisplay. When called, it displays a page called phonedetails,
34 and sends a matrix containing the type of phone, price, color, and the matrix print on the page.*/
35
36 Route::get('/phonedisplay', function () {
37     $phoneDetails = [
38         "PhoneType"=>"iPhone13 128GB",
39         "PhoneColor"=>"gray",
40         "PhonePrice"=>"3500 SAR"];
41     return view('AssignmentOne.phonedisplay',$phoneDetails);
42 });
```



4- Create a route whose address is phone. Once executed, it calls a page containing the title "هلاً بكم في". "متجر التكنولوجيا الحديثة لبيع الهواتف".

The screenshot shows a code editor with a file explorer on the left. The file explorer lists the following files and folders:

- PHONE...
 - resources
 - css
 - js
 - sass
 - variables.scss
 - app.scss
 - views
 - AssignmentOne
 - phone.blade.php
 - phonedisplay.blade.php
 - test.blade.php
 - layouts
 - oldphone
 - home.blade.php
 - welcome.blade.php
 - routes
 - api.php
 - channels.php
 - console.php
 - web.php
 - storage
 - tests
 - vendor
 - .editorconfig
 - .env
 - OUTLINE
 - TIMELINE

The main editor area displays the content of 'phone.blade.php':

```
@auth
<a href="{{ url('/') }}" class="text-sm text-gray-700 dark:text-gray-500 underline">Home</a>
<a href="{{ route('login') }}" class="text-sm text-gray-700 dark:text-gray-500 underline">Log in</a>
<a href="{{ route('register') }}" class="text-sm text-gray-700 dark:text-gray-500 underline">Register</a>
<a href="{{ route('logout') }}" class="text-sm text-gray-700 dark:text-gray-500 underline">Log out</a>
</div>
</div>
<div class="max-w-6xl mx-auto sm:px-6 lg:px-8 dark:bg-gray-800">
<h1>أهلاً بك في متجر التكنولوجيا الحديثة لبيع الهواتف</h1>
<div class="mt-8 bg-white dark:bg-gray-800 overflow-hidden shadow sm:rounded-lg">
</div>
<div class="flex justify-center mt-4 sm:items-center sm:justify-between">
<div class="text-center text-sm text-gray-500 sm:text-left">
<div class="flex items-center">
<svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke-width="1.5" stroke="currentColor" class="h-6 w-6">
<path stroke-linecap="round" stroke-linejoin="round" d="M2.25 6L9 11L21 6" />
</svg>
<a href="https://laravel.bigcartel.com" class="ml-1 underline">
Shop
</a>
</div>
</div>
<div class="text-center text-sm text-gray-500 sm:text-left">
<div class="flex items-center">
<svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke-width="1.5" stroke="currentColor" class="h-6 w-6">
<path stroke-linecap="round" stroke-linejoin="round" d="M2.25 6L9 11L21 6" />
</svg>
<a href="https://laravel.bigcartel.com" class="ml-1 underline">
Shop
</a>
</div>
</div>
</div>
</div>
```

The screenshot displays the Visual Studio Code editor with the following details:

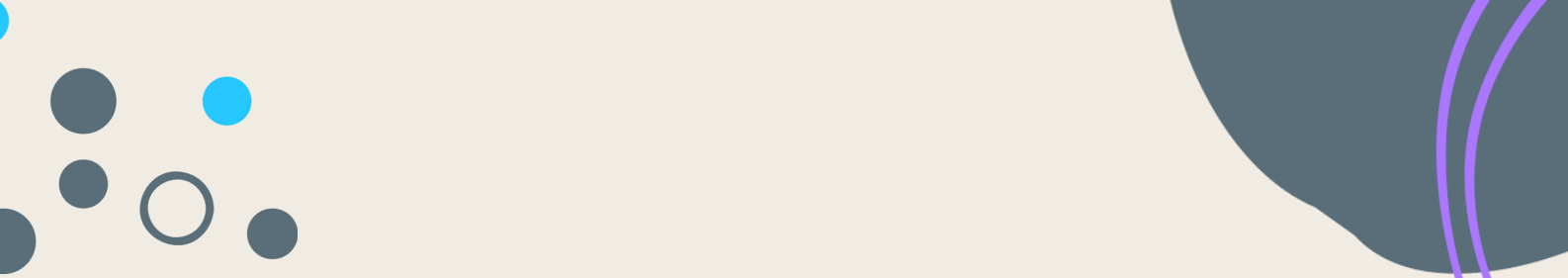
- File Explorer (Left Sidebar):** Shows the project structure under 'PHONEAPPS'. The 'routes' folder is expanded, and 'web.php' is selected.
- Editor Window:** Displays the content of 'routes.js'. The code defines several routes using the 'Route::get' method. A red rectangle highlights the route for '/phone' (lines 30-33), which returns the view 'AssignmentOne.phone'.
- Code Content:**

```


10 | Here is where you can register web routes for your application. These
11 | routes are loaded by the RouteServiceProvider within a group which
12 | contains the "web" middleware group. Now create something great!
13 |
14 | */
15 |
16 | Route::get('/', function () {
17 |     return view('welcome');
18 | });
19 |
20 | // 3- Create a route whose address is test. Once executed, it prints the word test
21 |
22 | Route::get('/test', function () {
23 |     return view('AssignmentOne.test');
24 | });
25 |
26 | /* 4- Create a route whose address is phone. Once executed, it calls a page
27 |    containing the title "مأى يتم في متجر التكنولوجيا الحديثة لبيع الهواتف". */
28 |
29 | Route::get('/phone', function () {
30 |     return view('AssignmentOne.phone');
31 | });
32 |
33 | // 5- Create a route called phonedisplay. When called, it displays a page called phonedetails,
34 |    and sends a matrix containing the type of phone, price, color, and the matrix print on the page.*/
35 |
36 | Route::get('/phonedisplay', function () {
37 |     $phoneDetails = [
38 |         "PhoneType" => "Iphone11 128GB",
39 |         "PhoneColor" => "gray",
40 |         "PhonePrice" => "1500 SAR"];
41 |     return view('AssignmentOne.phonedisplay', $phoneDetails);

```
- Status Bar (Bottom):** Shows 'Ln 35, Col 1', 'Source 4', 'UTF-8', 'LF', 'PHP', and 'PHP'.





5- Create a route called phonedisplay. When called, it displays a page called phonedetails, and sends a matrix containing the type of phone, price, color, and the matrix



The screenshot shows a code editor with a file explorer on the left. The file explorer lists files like console.php, web.php, storage, tests, vendor, editorconfig, .env, OUTLINE, and TIMELINE. The main editor area displays an SVG element with a link to a GitHub sponsor page. The code is as follows:

```

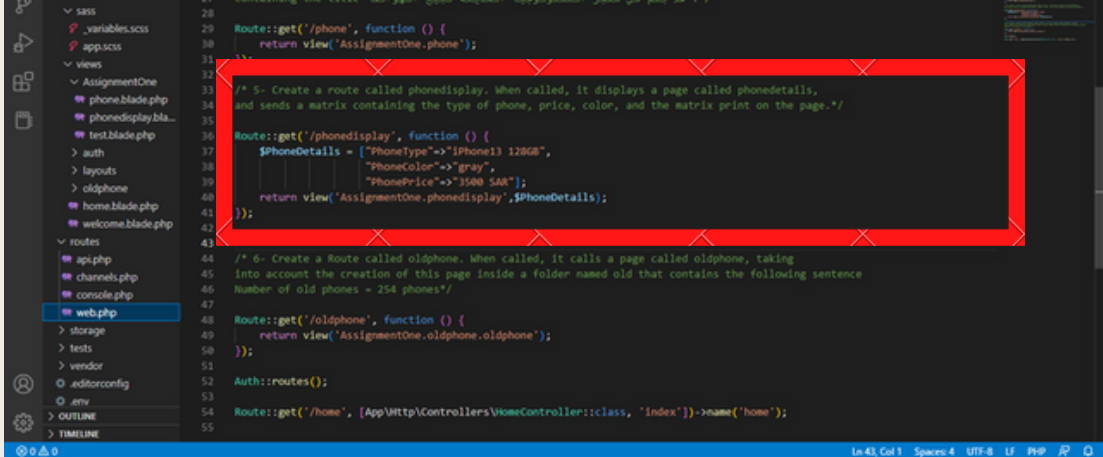
<a href="https://laravel.org/...>
  Shop
</a>

<svg xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke-width="1.5" stro
  <path stroke-linecap="round" stroke-linejoin="round" d="M21 8.25c0-2.485-2.099-4.5-4.688-4.
</svg>

<a href="https://github.com/sponsors/taylorotwell" class="ml-1 underline">
  Sponsor
</a>

```

The status bar at the bottom indicates the cursor is at line 41, column 72, with 7 spaces, 4 tabs, and UTF-8 encoding.



The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project structure with files like `variables.scss`, `app.scss`, `views`, `AssignmentOne`, `phone.blade.php`, `phonedisplay.blade.php`, `test.blade.php`, `auth`, `layouts`, `oldphone`, `home.blade.php`, `welcome.blade.php`, `routes`, `api.php`, `channels.php`, `console.php`, `web.php`, `storage`, `tests`, `vendor`, `.editorconfig`, `.env`, `OUTLINE`, and `TIMELINE`. The `web.php` file is selected.

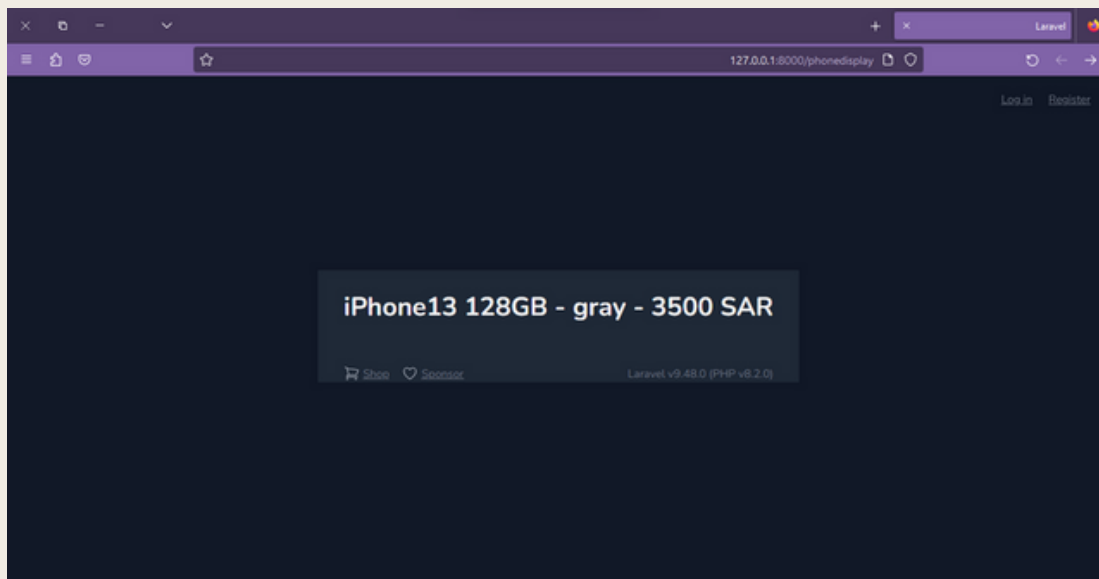
The code editor shows the following PHP code:

```

29 Route::get('/phone', function () {
30     return view('AssignmentOne.phone');
31 });
32
33 /* 5- Create a route called phonedisplay. When called, it displays a page called phonedetails,
34 and sends a matrix containing the type of phone, price, color, and the matrix print on the page.*/
35
36 Route::get('/phonedisplay', function () {
37     $PhoneDetails = [
38         ["PhoneType"=>"iPhone13 128GB",
39          "PhoneColor"=>"gray",
40          "PhonePrice"=>"3500 SAR"];
41     return view('AssignmentOne.phonedisplay', $PhoneDetails);
42 });
43
44 /* 6- Create a Route called oldphone. When called, it calls a page called oldphone, taking
45 into account the creation of this page inside a folder named old that contains the following sentence
46 Number of old phones = 254 phones*/
47
48 Route::get('/oldphone', function () {
49     return view('AssignmentOne.oldphone.oldphone');
50 });
51
52 Auth::routes();
53
54 Route::get('/home', [App\Http\Controllers\HomeController::class, 'index'])->name('home');
55

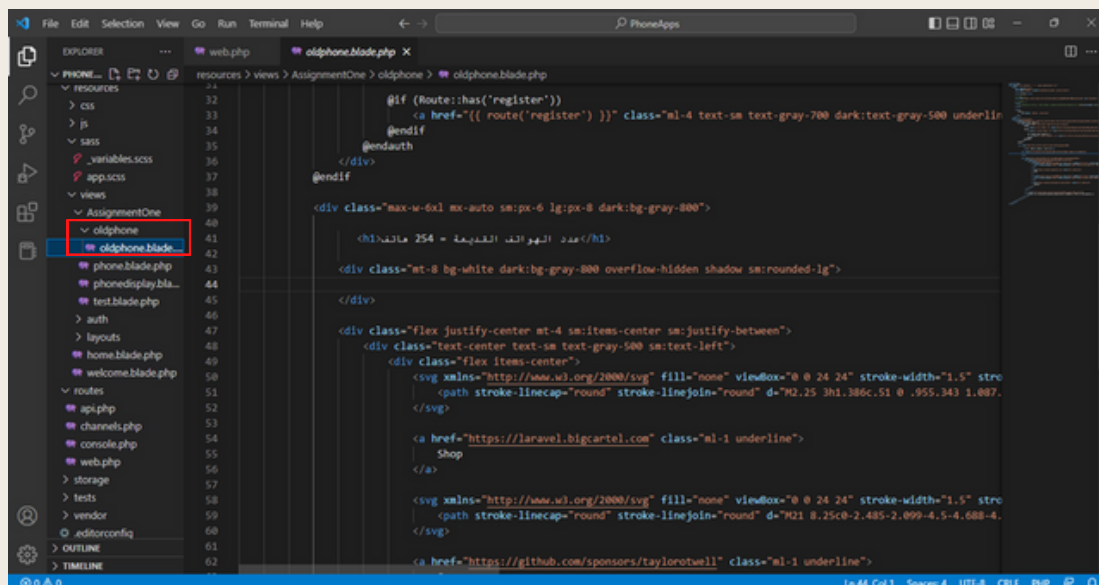
```

A red box highlights the code for the `phonedisplay` route (lines 36-42).

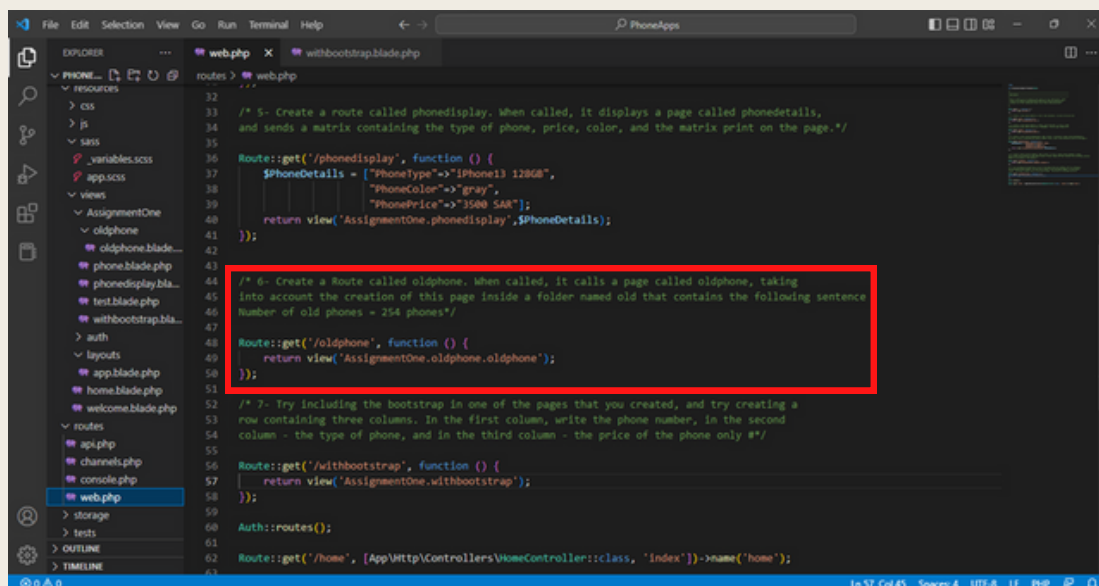


6- Create a Route called oldphone. When called, it calls a page called oldphone, taking into account the creation of this page inside a folder named old that contains the following sentence

Number of old phones = 254 phones
(عدد الهواتف القديمة = 254 هاتف)



The screenshot shows the VS Code editor with the file explorer on the left. The file explorer shows the project structure, with the file `oldphone.blade.php` selected under the `AssignmentOne/oldphone` folder. The main editor displays the content of `oldphone.blade.php`, which includes a conditional check for the 'register' route, a div with a heading 'عدد الهواتف القديمة = 254 هاتف', and a flex container with two links: 'Shop' and 'Taylor & Francis'.



The screenshot shows the VS Code editor with the file explorer on the left. The file explorer shows the project structure, with the file `routes/web.php` selected. The main editor displays the content of `routes/web.php`, which includes a comment for step 5, a route for `/phonedisplay`, a route for `/oldphone` (highlighted with a red box), and a route for `/withbootstrap`. The `/oldphone` route is defined as follows:

```
Route::get('/oldphone', function () {
    return view('AssignmentOne.oldphone.oldphone');
});
```



7- Try including the bootstrap in one of the pages that you created, and try creating a row containing three columns. In the first column, write the phone number, in the second column - the type of phone, and in the third column - the price of the phone only # (في العمود الأول رقم الهاتف وفي العمود الثاني - نوع الهاتف وفي العمود الثالث سعر الهاتف)

The screenshot shows a VS Code editor window with the following content:

File Explorer (Left Panel):

- resources > views > AssignmentOne > withbootstrap.blade.php
- resources
 - css
 - js
 - sass
 - _variables.scss
 - app.scss
 - views
 - AssignmentOne
 - oldphone
 - oldphone.blade.php
 - phone.blade.php
 - phonedisplay.blade.php
 - test.blade.php
 - withbootstrap.blade.php**
 - auth
 - layouts
 - app.blade.php
 - home.blade.php
 - welcome.blade.php
 - routes
 - api.php
 - channels.php
 - console.php
 - web.php
 - storage
 - tests
 - OUTLINE
 - TIMELINE

Main Editor Area (withbootstrap.blade.php):

```
<div>
@endif

<div class="max-w-6xl mx-auto sm:px-6 lg:px-8 bg-white">

<h2>Bootstrap -- Phone Details</h2>

<!-------Include Bootstrap----->
<div class="container">
<div class="row">

<div class="col-sm-4">
<h3>رقم الهاتف</h3>
<h5>0531111212</h5>
</div>

<div class="col-sm-4">
<h3>انواع الهاتف</h3>
<h5>iPhone14</h5>
</div>

<div class="col-sm-4">
<h3>سعر الهاتف</h3>
<h5>3120 SAR</h5>
</div>

</div>
</div>
<!------->
```

```

1  File Edit Selection View Go Run Terminal Help
2
3  EXPLORER
4  PHONE... resources
5  > css
6  > js
7  > sass
8  > _variables.scss
9  > app.scss
10 > views
11 > AssignmentOne
12 > oldphone
13 > oldphone.blade...
14 > phone.blade.php
15 > phonedisplay.bl...
16 > test.blade.php
17 > withbootstrap.bl...
18 > auth
19 > layouts
20 > app.blade.php
21 > home.blade.php
22 > welcome.blade.php
23 > routes
24 > api.php
25 > channels.php
26 > console.php
27 > web.php
28 > storage
29 > tests
30 > OUTLINE
31 > TIMELINE
32
33 routes > web.php
34
35 /* 5- Create a route called phonedisplay, when called, it displays a page called phonedetails,
36 and sends a matrix containing the type of phone, price, color, and the matrix print on the page.*/
37
38 Route::get('/phonedisplay', function () {
39     $PhoneDetails = [
40         "PhoneType" => "iPhone11 128GB",
41         "PhoneColor" => "gray",
42         "PhonePrice" => "3500 SAR"];
43     return view('AssignmentOne.phonedisplay', $PhoneDetails);
44 });
45
46 /* 6- Create a Route called oldphone. When called, it calls a page called oldphone, taking
47 into account the creation of this page inside a folder named old that contains the following sentence
48 Number of old phones - 254 phones*/
49
50 Route::get('/oldphone', function () {
51     return view('AssignmentOne.oldphone.oldphone');
52 });
53
54 /* 7- Try including the bootstrap in one of the pages that you created, and try creating a
55 row containing three columns. In the first column, write the phone number, in the second
56 column - the type of phone, and in the third column - the price of the phone only */
57
58 Route::get('/withbootstrap', function () {
59     return view('AssignmentOne.withbootstrap');
60 });
61
62 Auth::routes();
63
64 Route::get('/home', [App\Http\Controllers\HomeController::class, 'index'])->name('home');
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
```

