

Web-Based Sales Management System



SaleWise

Smart Sales

Management

System

Presented by Group 9



The screenshot shows the SaleWise homepage. At the top is a green header bar with the "SaleWise" logo and a navigation menu containing "Home", "About", "Dashboard", "Add Sale", "View Sales", and "Logout". Below the header is a large white main area featuring the SaleWise logo with a rocket ship icon, the text "Smart Sales Management System", and a subtitle "Track transactions, analyze revenue, and make data-driven decisions with our secure, responsive sales platform." At the bottom of the main area is a horizontal bar with two buttons: "View Dashboard" and "+ Add Sale". A "Why Choose SaleWise?" section is visible at the very bottom.

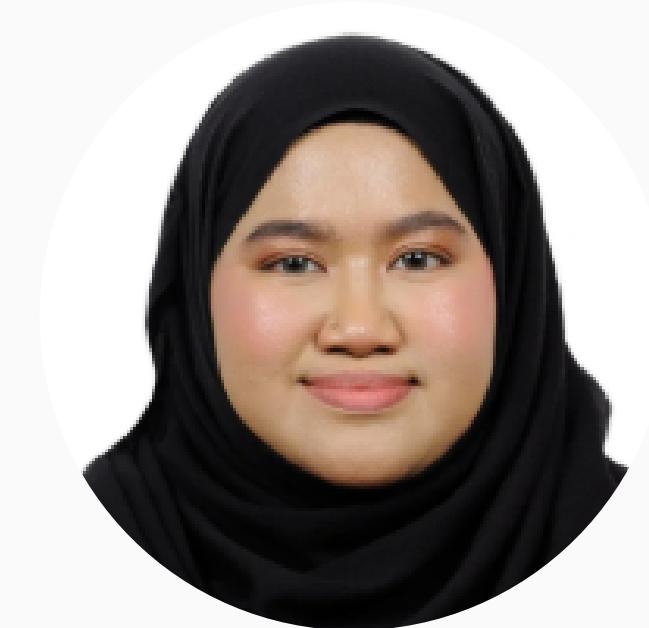
Project Members



Yaw Chin Hen
Project Leader
& System
Developer



Yang Ka Weng
Business
Requirements
Analyst



**Sara Nabilah
Shamsul Baharin**
Project Support

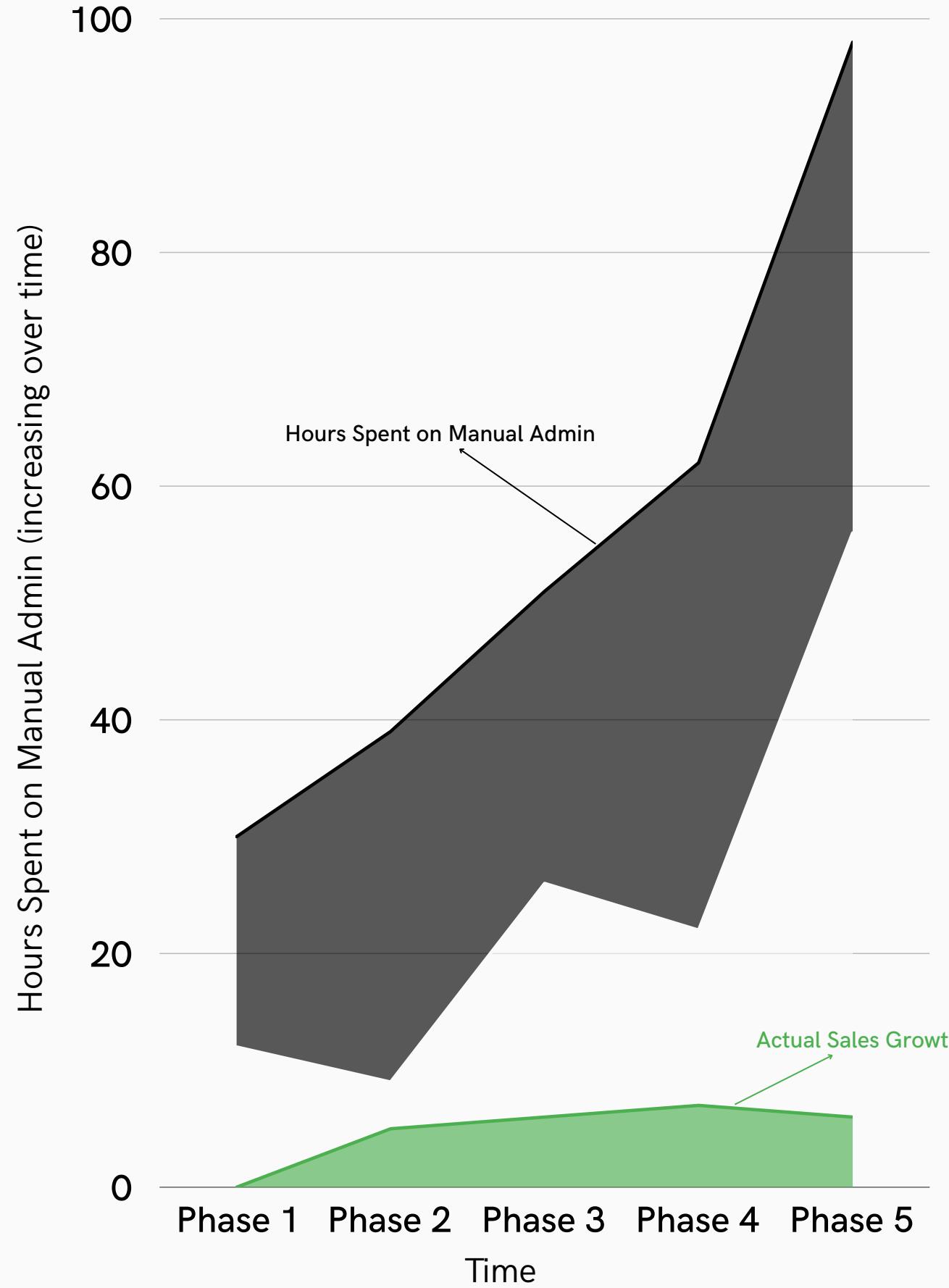


Tam Sze Yin
System & User
Acceptance Tester

Background & Problem Statement



Problem



Manual bookkeeping inefficiencies lead to a lack of visibility and high business risk of data loss for SMEs.

- **Time-consuming Bookkeeping:** Manual entry drains resources and slows down daily operations.
- **Data Inconsistency & Loss:** Paper-based or unorganized digital records are prone to human error and permanent loss.
- **Lack of Insights:** Without a centralized system, businesses cannot access real-time analytics to make informed decisions.

Project Objectives & Scope



Solutions & Objectives



Core Objectives

- **Universal SME Design:** Dynamic category entry to support any business type without rigid database constraints.
- **Secure Authentication:** Reliable login system.
- **Full CRUD Logic:** Add, view, update, and delete sales records.

Analytics & Reporting

- **Real-time Dashboard:** Instant visualization of total revenue and top-selling records.
- **Top-Selling Insights:** Automated identification of best-performing products.
- **CSV Export:** Easy data portability for external accounting or reporting needs.

Project Scope

- **Localhost Deployment:** System optimized for XAMPP/WAMP environments.
- **Sales-Focused:** Targeted specifically at transaction management.
- **Single-User Role:** Designed for a primary administrator or business owner.

System Overview & Architecture

```
getWeather = async () => {
  const apiCall = fetch(`${apiBase}q=${this.state.userInputCity}`);
  apiCall.then(res => res.json())
  .then(res => {
    console.log(res);
    const weatherDescription = res.weather[0].main;
    const currentTemp = res.main.temp;
    const maxTemp = res.main.temp_max;
    const minTemp = res.main.temp_min;
    const humidity = res.main.humidity;
    const pressure = res.main.pressure;
    const windSpeed = res.wind.speed;
    const windDegree = res.wind.deg;
    const clouds = res.clouds.all;
    const visibility = res.visibility;
    const sunrise = res.sys.sunrise;
    const sunset = res.sys.sunset;
    const name = res.name;
    const country = res.sys.country;
    this.setState({
      city: city,
      country: country,
      weatherDescription: weatherDescription,
      currentTemp: currentTemp,
      maxTemp: maxTemp,
      minTemp: minTemp,
      humidity: humidity,
      pressure: pressure,
      windSpeed: windSpeed,
      windDegree: windDegree,
      clouds: clouds,
      visibility: visibility,
      sunrise: sunrise,
      sunset: sunset,
      name: name,
      country: country
    });
  })
  .catch(error => {
    console.error(error);
  });
};

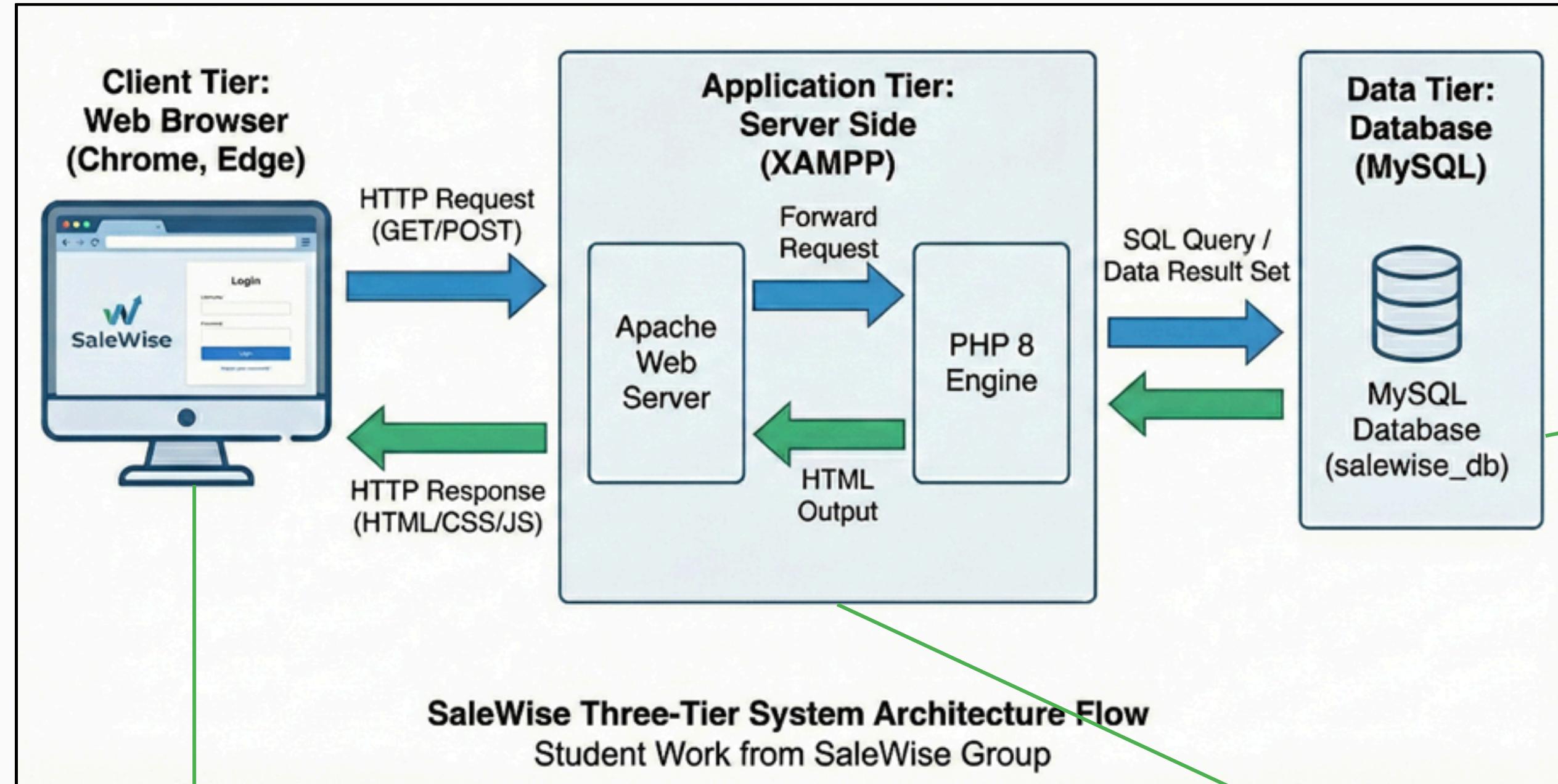
componentDidMount() {
  this.getWeather();
}

componentWillUnmount() {
  this.unsubscribe();
}

render() {
  return (
    <div>
      <h1>Weather App</h1>
      <input type="text" value={this.state.userInputCity} onChange={this.handleChange} />
      <button onClick={this.getWeather}>Get Weather</button>
      <div>
        {this.state.weatherDescription}
        {this.state.currentTemp}
        {this.state.maxTemp}
        {this.state.minTemp}
        {this.state.humidity}
        {this.state.pressure}
        {this.state.windSpeed}
        {this.state.windDegree}
        {this.state.clouds}
        {this.state.visibility}
        {this.state.sunrise}
        {this.state.sunset}
        {this.state.name}
        {this.state.country}
      </div>
    </div>
  );
}

export default WeatherApp;
```

System Overview & Architecture

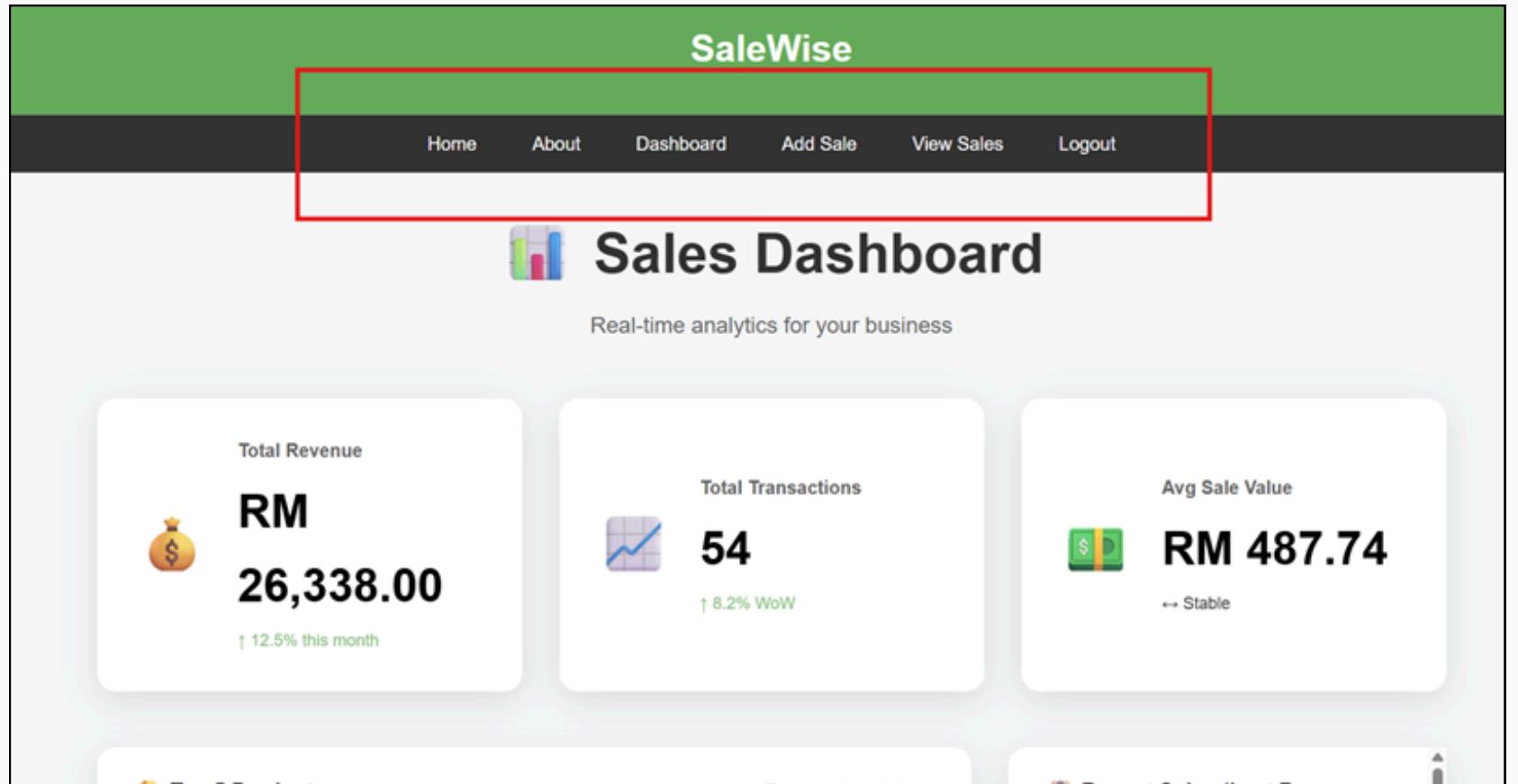


Presentation Layer: HTML5, CSS3, JavaScript (Client-side validation)

Application Layer: PHP 8 on Apache Web Server (Core business logic)

Data Layer: MySQL (Persistent storage)

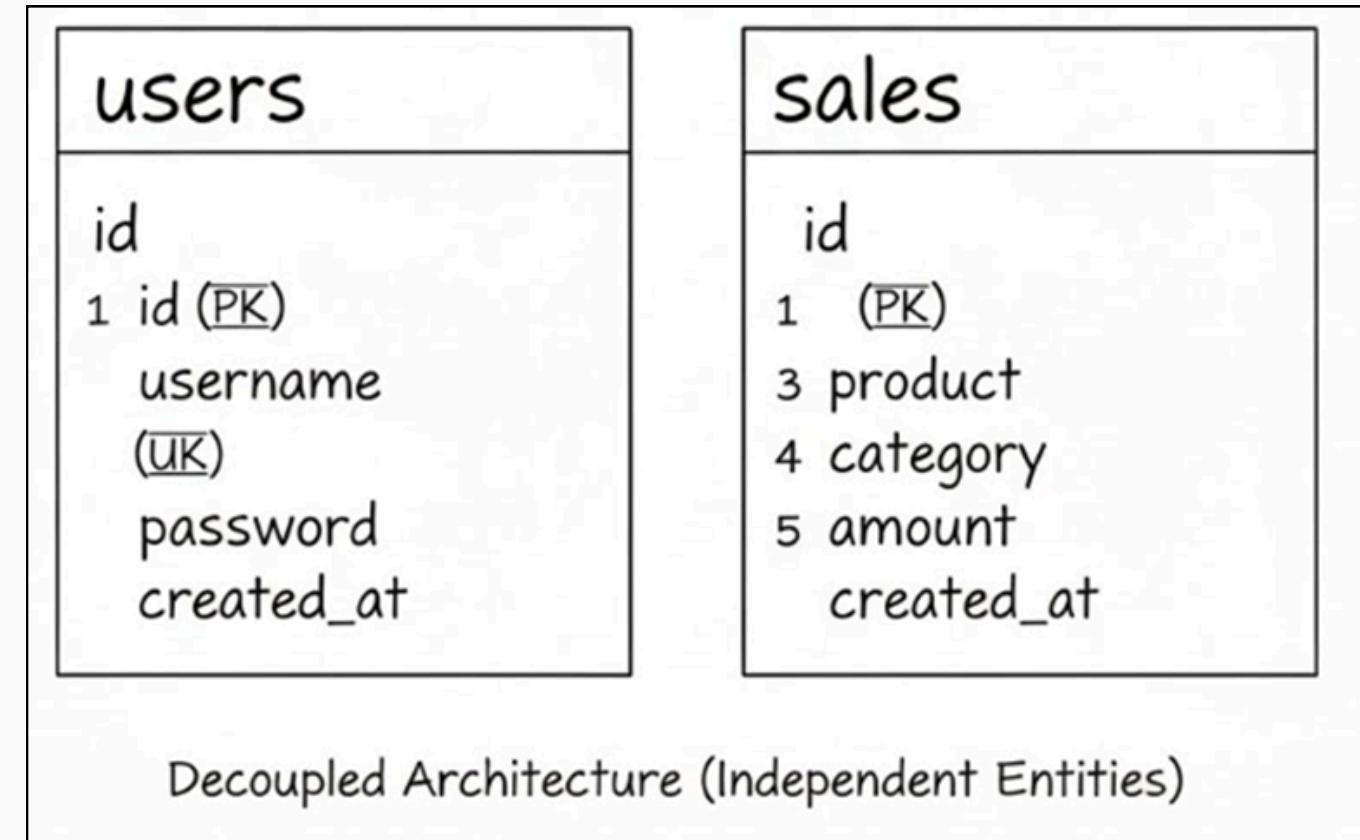
Nav Mechanism & Database Design



```
edit_sales.php
1 <?php
2 include 'header.php';
3 include 'config.php';
4 if(!isset($_SESSION['username'])) {
5     header("Location: login.php");
6     exit;
7 }
8
9 $id = (int)$_GET['id'] ?? 0;
10 if($id <= 0) {
11     header("Location: view_sales.php");
```

Navigation Mechanism

- Centralized Control:** header.php maintains UI consistency
- Dynamic States:** PHP sessions (isset(\$_SESSION)) toggle menu options based on authentication status



Decoupled Database Design (Independent Entities)

- users table:** id, username, password, created_at
- sales table:** id, product, category, amount, created_at

Website Demo & Key Features Logic

SaleWise

X +

localhost/SaleWise/index.php

Summarize ⚡ ☆ ...



SaleWise

Smart Sales Management System

Track transactions, analyze revenue, and make data-driven decisions with our secure, responsive sales platform.

[Get Started Free](#)

[Login](#)

Why Choose SaleWise?

The SaleWise system is accessed by entering the project URL using localhost in a web browser.

Secure Authentication

Real-time Analytics

Fully Responsive

Fast CRUD Operations



Key Feature Logic: Authentication

SaleWise

Home About Login Register

Register

Username:

Password:

Register

© 2025 SaleWise. All rights reserved.

Step 1: User register by entering their details

```
register.php
1 <?php
2 include 'header.php';
3 include 'config.php';
4
5 if(isset($_SESSION['username'])) {
6     header("Location: dashboard.php");
7     exit;
8 }
9
10 $message = '';
11 if ($_POST) {
12     $username = trim($_POST['username']);
13     $password = password_hash($_POST['password'], PASSWORD_DEFAULT);
14 }
```

	id	username	password	created_at
<input type="checkbox"/>	1	admin	\$2y\$10\$92IXUNpkjO0rOQ5byMi.Ye4oKoEa3Ro9IIC/.og/at2...	2025-12-24 15:18:03
<input type="checkbox"/>	2	ych	\$2y\$10\$8VJNPi5.nJkr2PtSbSeOyefeiazhzROfcN/dMHaGngZ...	2025-12-24 15:19:01
<input type="checkbox"/>	3	sam	\$2y\$10\$proHE..GVn31KbJZqBR0cO5KE2RC947iQNk7GILD9CC...	2025-12-24 16:04:36
<input type="checkbox"/>	4	ykw	\$2y\$10\$NeFhsGLygaFvZnTCDPKMdesPmaTiFJ0gd5r/as56yAO...	2025-12-27 14:58:57
<input type="checkbox"/>	5	test	\$2y\$10\$tq58aRuiqVeAduOKBQyL0egEopWtDgtbma3tWizjOin...	2025-12-29 14:31:01

Step 2: register.php hashes the password before saving

```
<?php
// session_start() ONLY called here ONCE
if (session_status() == PHP_SESSION_NONE) {
    session_start();
}

isLoggedIn = isset($_SESSION['username']);
?>
```

Step 4: Session is created to identify the user

```
17
18     $stmt->execute();
19     $result = $stmt->get_result();
20
21     if($user = $result->fetch_assoc()) {
22         if(password_verify($password, $user['password'])) {
23             $_SESSION['username'] = $user['username'];
24             $_SESSION['user_id'] = $user['id'];
25             header("Location: dashboard.php");
26             exit;
27         } else $error = "Incorrect password";
28     } else $error = "User not found";
29
30 ?>
<main>
```

Step 3: login.php verify the entered password

Key Feature Logic: Sales CRUD



```
add_sales.php
<?php
include 'header.php'; // Already has session_start()
include 'config.php';

if(!isset($_SESSION['username'])) {
    header("Location: login.php");
    exit;
}

$message = '';
if(isset($_POST['add_sale'])) {
    $product = trim($_POST['product']);
    $category = trim($_POST['category']);
    $amount = (float)$_POST['amount']; // Cast to float

    $sql = "INSERT INTO sales (product, category, amount) VALUES (?, ?, ?)";
    $stmt = $conn->prepare($sql);
    $stmt->bind_param("ssi", $product, $category, $amount); // "ssd" not "ssi"
    if($stmt->execute()) {
        $message = "Sale added successfully!";
    } else {
        $message = "X Error: " . $conn->error;
    }
}
```

SaleWise

Home About Dashboard Add Sale View Sales Logout

Add New Sale

Product Name:

Category: Please fill out this field.

Amount (RM):

Add Sale -->

© 2025 SaleWise. All rights reserved.

Step 1: add_sales.php codes to create sales record

```
view_sales.php
1 // Search & Pagination
2 $search = trim($_GET['search'] ?? '');
3 $page = max(1, (int)($_GET['page'] ?? 1));
4 $limit = 10;
5 $offset = ($page - 1) * $limit;
6 $deleted = $_GET['deleted'] ?? 0;
7
8 // Total count
9 if($search) {
10     $countSql = "SELECT COUNT(*) as total FROM sales WHERE product LIKE ? OR category LIKE ?";
11     $stmt = $conn->prepare($countSql);
12     $searchTerm = "%$search%";
13     $stmt->bind_param("ss", $searchTerm, $searchTerm);
14     $stmt->execute();
15     $totalRecords = $stmt->get_result()->fetch_assoc()['total'];
16 }
17 else {
18     $result = $conn->query("SELECT COUNT(*) as total FROM sales");
19     $totalRecords = $result->fetch_assoc()['total'];
20 }
21 $totalPages = ceil($totalRecords / $limit);
22
23 // Fetch sales
24 if($search) {
25     $sql = "SELECT * FROM sales WHERE product LIKE ? OR category LIKE ? ORDER BY id DESC LIMIT ? OFFSET ?";
26     $stmt = $conn->prepare($sql);
27     $searchTerm = "%$search%";
28     $stmt->bind_param("ssii", $searchTerm, $searchTerm, $limit, $offset);
29     $stmt->execute();
30     $sales = $stmt->get_result();
31 }
32 else {
33     $sql = "SELECT * FROM sales ORDER BY id DESC LIMIT $limit OFFSET $offset";
34     $stmt = $conn->query($sql);
35     $sales = $stmt->fetch_all(MYSQLI_ASSOC);
36 }
37
38 $totalRevenueSql = $search ?
39     "SELECT COALESCE(SUM(amount), 0) as total FROM sales WHERE product LIKE '%$search%' OR category LIKE '%$search%'";
40     "SELECT COALESCE(SUM(amount), 0) as total FROM sales";
41 $totalRevenueResult = $conn->query($totalRevenueSql);
42 $totalRevenue = $totalRevenueResult->fetch_assoc()['total'];
43
44 }
```

SaleWise

Sales Records

ID	Product	Category	Amount (RM)	Date	Actions
#39	adidas Adicolor Classic Backpack	Accessories	RM 169.00	Dec 29, 2025	<button>Edit</button> <button>Delete</button>
#38	adidas Adicolor Classic Backpack	Accessories	RM 169.00	Dec 29, 2025	<button>Edit</button> <button>Delete</button>
#37	Jordan Air 11 Retro	Footwear	RM 999.00	Dec 29, 2025	<button>Edit</button> <button>Delete</button>
#36	Calvin Klein Microfiber Stretch Hip Briefs (3-Pack)	Accessories	RM 289.00	Dec 29, 2025	<button>Edit</button> <button>Delete</button>
#35	Calvin Klein Microfiber Stretch Hip Briefs (3-Pack)	Accessories	RM 289.00	Dec 29, 2025	<button>Edit</button> <button>Delete</button>

Home About Dashboard Add Sale View Sales Logout

Step 2: view_sales.php to read sales records

```
edit_sales.php
14 // SAFE query with prepared statement
15 $stmt = $conn->prepare("SELECT * FROM sales WHERE id = ?");
16 $stmt->bind_param("i", $id);
17 $stmt->execute();
18 $sale = $stmt->get_result()->fetch_assoc();
19
20 if(!$sale) {
21     header("Location: view_sales.php");
22     exit;
23 }
24
25 $message = '';
26 if(isset($_POST['update_sale'])) {
27     $product = trim($_POST['product']);
28     $category = trim($_POST['category']);
29     $amount = (float)$_POST['amount'];
30
31     $stmt = $conn->prepare("UPDATE sales SET product=?, category=?, amount=? WHERE id=?");
32     $stmt->bind_param("sssi", $product, $category, $amount, $id);
33     if($stmt->execute()) {
34         $message = "✓ Updated successfully!";
35     }
36     else {
37         $message = "✗ Update failed";
38     }
39 }
40
41 }
```

SaleWise

Edit Sale #41

Updated successfully!

Product: adidas Adicolor Classic Backpack

Category: Accessories

Amount (RM): 169.00

Update Sale -->

© 2025 SaleWise. All rights reserved.

Step 3: edit_sales.php for Update Function

```
8
9     $id = (int)($_GET['id'] ?? 0);
10    if($id > 0) {
11        $stmt = $conn->prepare("DELETE FROM sales WHERE id = ?");
12        $stmt->bind_param("i", $id);
13        $stmt->execute();
14
15        header("Location: view_sales.php?deleted=1");
16        exit;
17    }
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
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
259
260
261
262
263
264
265
266
267
268
269
269
270
271
272
273
274
275
276
277
278
279
279
280
281
282
283
284
285
286
287
287
288
289
289
290
291
292
293
294
295
296
297
297
298
299
299
300
301
302
303
304
305
305
306
307
307
308
309
309
310
311
311
312
312
313
313
314
314
315
315
316
316
317
317
318
318
319
319
320
320
321
321
322
322
323
323
324
324
325
325
326
326
327
327
328
328
329
329
330
330
331
331
332
332
333
333
334
334
335
335
336
336
337
337
338
338
339
339
340
340
341
341
342
342
343
343
344
344
345
345
346
346
347
347
348
348
349
349
350
350
351
351
352
352
353
353
354
354
355
355
356
356
357
357
358
358
359
359
360
360
361
361
362
362
363
363
364
364
365
365
366
366
367
367
368
368
369
369
370
370
371
371
372
372
373
373
374
374
375
375
376
376
377
377
378
378
379
379
380
380
381
381
382
382
383
383
384
384
385
385
386
386
387
387
388
388
389
389
390
390
391
391
392
392
393
393
394
394
395
395
396
396
397
397
398
398
399
399
400
400
401
401
402
402
403
403
404
404
405
405
406
406
407
407
408
408
409
409
410
410
411
411
412
412
413
413
414
414
415
415
416
416
417
417
418
418
419
419
420
420
421
421
422
422
423
423
424
424
425
425
426
426
427
427
428
428
429
429
430
430
431
431
432
432
433
433
434
434
435
435
436
436
437
437
438
438
439
439
440
440
441
441
442
442
443
443
444
444
445
445
446
446
447
447
448
448
449
449
450
450
451
451
452
452
453
453
454
454
455
455
456
456
457
457
458
458
459
459
460
460
461
461
462
462
463
463
464
464
465
465
466
466
467
467
468
468
469
469
470
470
471
471
472
472
473
473
474
474
475
475
476
476
477
477
478
478
479
479
480
480
481
481
482
482
483
483
484
484
485
485
486
486
487
487
488
488
489
489
490
490
491
491
492
492
493
493
494
494
495
495
496
496
497
497
498
498
499
499
500
500
501
501
502
502
503
503
504
504
505
505
506
506
507
507
508
508
509
509
510
510
511
511
512
512
513
513
514
514
515
515
516
516
517
517
518
518
519
519
520
520
521
521
522
522
523
523
524
524
525
525
526
526
527
527
528
528
529
529
530
530
531
531
532
532
533
533
534
534
535
535
536
536
537
537
538
538
539
539
540
540
541
541
542
542
543
543
544
544
545
545
546
546
547
547
548
548
549
549
550
550
551
551
552
552
553
553
554
554
555
555
556
556
557
557
558
558
559
559
560
560
561
561
562
562
563
563
564
564
565
565
566
566
567
567
568
568
569
569
570
570
571
571
572
572
573
573
574
574
575
575
576
576
577
577
578
578
579
579
580
580
581
581
582
582
583
583
584
584
585
585
586
586
587
587
588
588
589
589
590
590
591
591
592
592
593
593
594
594
595
595
596
596
597
597
598
598
599
599
600
600
601
601
602
602
603
603
604
604
605
605
606
606
607
607
608
608
609
609
610
610
611
611
612
612
613
613
614
614
615
615
616
616
617
617
618
618
619
619
620
620
621
621
622
622
623
623
624
624
625
625
626
626
627
627
628
628
629
629
630
630
631
631
632
632
633
633
634
634
635
635
636
636
637
637
638
638
639
639
640
640
641
641
642
642
643
643
644
644
645
645
646
646
647
647
648
648
649
649
650
650
651
651
652
652
653
653
654
654
655
655
656
656
657
657
658
658
659
659
660
660
661
661
662
662
663
663
664
664
665
665
666
666
667
667
668
668
669
669
670
670
671
671
672
672
673
673
674
674
675
675
676
676
677
677
678
678
679
679
680
680
681
681
682
682
683
683
684
684
685
685
686
686
687
687
688
688
689
689
690
690
691
691
692
692
693
693
694
694
695
695
696
696
697
697
698
698
699
699
700
700
701
701
702
702
703
703
704
704
705
705
706
706
707
707
708
708
709
709
710
710
711
711
712
712
713
713
714
714
715
715
716
716
717
717
718
718
719
719
720
720
721
721
722
722
723
723
724
724
725
725
726
726
727
727
728
728
729
729
730
730
731
731
732
732
733
733
734
734
735
735
736
736
737
737
738
738
739
739
740
740
741
741
742
742
743
743
744
744
745
745
746
746
747
747
748
748
749
749
750
750
751
751
752
752
753
753
754
754
755
755
756
756
757
757
758
758
759
759
760
760
761
761
762
762
763
763
764
764
765
765
766
766
767
767
768
768
769
769
770
770
771
771
772
772
773
773
774
774
775
775
776
776
777
777
778
778
779
779
780
780
781
781
782
782
783
783
784
784
785
785
786
786
787
787
788
788
789
789
790
790
791
791
792
792
793
793
794
794
795
795
796
796
797
797
798
798
799
799
800
800
801
801
802
802
803
803
804
804
805
805
806
806
807
807
808
808
809
809
810
810
811
811
812
812
813
813
814
814
815
815
816
816
817
817
818
818
819
819
820
820
821
821
822
822
823
823
824
824
825
825
826
826
827
827
828
828
829
829
830
830
831
831
832
832
833
833
834
834
835
835
836
836
837
837
838
838
839
839
840
840

```

Key Feature Logic: Dashboard



```
// Sale analytics queries
$totalSales = $conn->query("SELECT COUNT(*) as count FROM sales")->fetch_assoc()['count'] ?? 0;
$totalRevenue = $conn->query("SELECT COALESCE(SUM(amount), 0) as revenue FROM sales")->fetch_assoc()['revenue'] ?? 0;
$avgSale = $conn->query("SELECT COALESCE(AVG(amount), 0) as avg FROM sales")->fetch_assoc()['avg'] ?? 0;

// Top 5 products data (for chart)
$topProducts = $conn->query(
    "SELECT product, category, SUM(amount) as total, COUNT(*) as sales_count
     FROM sales
     GROUP BY product, category
     ORDER BY total DESC
     LIMIT 5
")->fetch_all(MYSQLI_ASSOC);

// Recent sales (last 7 days)
$recentSales = $conn->query(
    "SELECT amount, created_at
     FROM sales
     WHERE created_at >= DATE_SUB(NOW(), INTERVAL 7 DAY)
     ORDER BY created_at DESC
     LIMIT 10
")->fetch_all(MYSQLI_ASSOC);

// Category breakdown
$categories = $conn->query(
    "SELECT category, SUM(amount) as revenue, COUNT(*) as count
     FROM sales
     GROUP BY category
     ORDER BY revenue DESC
")->fetch_all(MYSQLI_ASSOC);
?>
```

Identifies top-selling products by grouping sales records and ranking them based on total sales amount

Sales data stored in the database is summarised using SQL aggregation functions such as SUM, COUNT, and AVG

```
<main>
    <div class="dashboard-content">
        <!-- Charts Section -->
        <div class="dashboard-card">
            <div class="card-header">
                <h3> Top 5 Products</h3>
                <span>Revenue breakdown</span>
            </div>
            <div class="category-chart">
                <?php foreach($topProducts as $i => $product): ?>
                <div class="category-bar">
                    <div class="bar-label"><?php echo htmlspecialchars($product['product']); ?></div>
                    <div class="bar-container">
                        <div class="bar" style="width: <?php echo min(90, ($product['total'] / $topProducts[0]['total']) * 100); ?>%">
                        <div class="bar-value">RM <?php echo number_format($product['total'], 2); ?></div>
                    </div>
                </div>
                <?php endforeach; ?>
            </div>
        </div>
        <!-- Recent Activity -->
        <div class="dashboard-card recent-sales">
            <div class="card-header">
                <h3> Recent Sales (Last 7 Days)</h3>
                <span><?php echo count($recentSales); ?> transactions</span>
            </div>
            <div class="recent-sales">
                <?php if(empty($recentSales)): ?>
                    <div class="no-data">No recent sales</div>
                <?php else: ?>
                    <?php foreach($recentSales as $sale): ?>
                    <div class="sale-row">
                        <div class="sale-product">Sale #<?php echo rand(1000,9999); ?></div>
                        <div class="sale-amount">RM <?php echo number_format($sale['amount'], 2); ?></div>
                        <div class="sale-date"><?php echo date('M j', strtotime($sale['created_at'])); ?></div>
                    </div>
                    <?php endforeach; ?>
                <?php endif; ?>
            </div>
        </div>
    </div>
</main>
```

These calculations are used to generate key performance indicators

Key Feature Logic: Export Function



```
export_sales.php
1 <?php
2 session_start(); // ADD THIS
3 include 'config.php';
4
5 if(!isset($_SESSION['username'])) { // ADD SECURITY
6     header("Location: login.php");
7     exit;
8 }
9
10 $search = $_GET['search'] ?? '';
11 $where = $search ? "WHERE product LIKE '%" . mysqli_real_escape_string($conn, $search) . "%' OR category LIK
12
13 header('Content-Type: text/csv; charset=utf-8');
14 header('Content-Disposition: attachment; filename="sales_' . date('Y-m-d_H-i-s') . '.csv"');
15 header('Cache-Control: no-cache');
16
17 $output = fopen('php://output', 'w');
18
19 // Headers
20 fputcsv($output, ['ID', 'Product', 'Category', 'Amount (RM)', 'Date', 'Created']);
21
22 // Data
23 $sales = $conn->query("SELECT * FROM sales $where ORDER BY id DESC");
24 $totalRevenue = 0;
25
26 while($row = $sales->fetch_assoc()) {
27     $totalRevenue += $row['amount'];
28     fputcsv($output, [
29         $row['id'],
30         $row['product'],
31         $row['category'],
32         'RM ' . number_format($row['amount'], 2),
33         date('d/m/Y', strtotime($row['created_at'])),
34         $row['created_at']
35     ]);
36 }
37
38 // Totals row
39 fputcsv($output, ['', '', '', '', 'TOTAL REVENUE:', 'RM ' . number_format($totalRevenue, 2), '']);
40
41 fclose($output);
42 exit;
```

System calculates the total revenue and appends it as a summary row at the end of the CSV file

System generates a CSV file by sending the correct HTTP headers, ensuring the browser recognises the output as a downloadable CSV file

ID	Product	Category	Amount (RM)	Date	Actions
#39	adidas Adicolor Classic Backpack	Accessories	RM 169.00	Dec 29, 2025	<button>Edit</button> <button>Delete</button>
#38	adidas Adicolor Classic Backpack	Accessories	RM 169.00	Dec 29, 2025	<button>Edit</button> <button>Delete</button>
#37	Jordan Air 11 Retro	Footwear	RM 989.00	Dec 29, 2025	<button>Edit</button> <button>Delete</button>
#36	Calvin Klein Microfiber Stretch Hip Briefs (3-Pack)	Accessories	RM 289.00	Dec 29, 2025	<button>Edit</button> <button>Delete</button>
#35	Calvin Klein Microfiber Stretch Hip Briefs (3-Pack)	Accessories	RM 289.00	Dec 29, 2025	<button>Edit</button> <button>Delete</button>

Data exported is filtered based on user-selected parameters, such as specific sales records or date ranges, so only relevant data is included

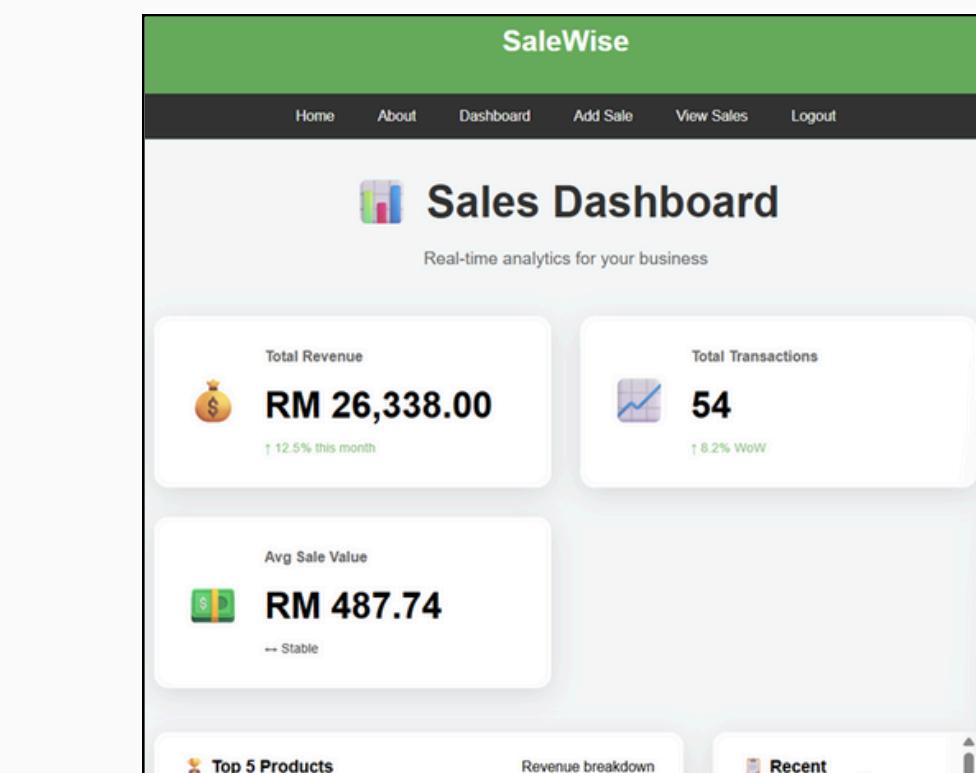
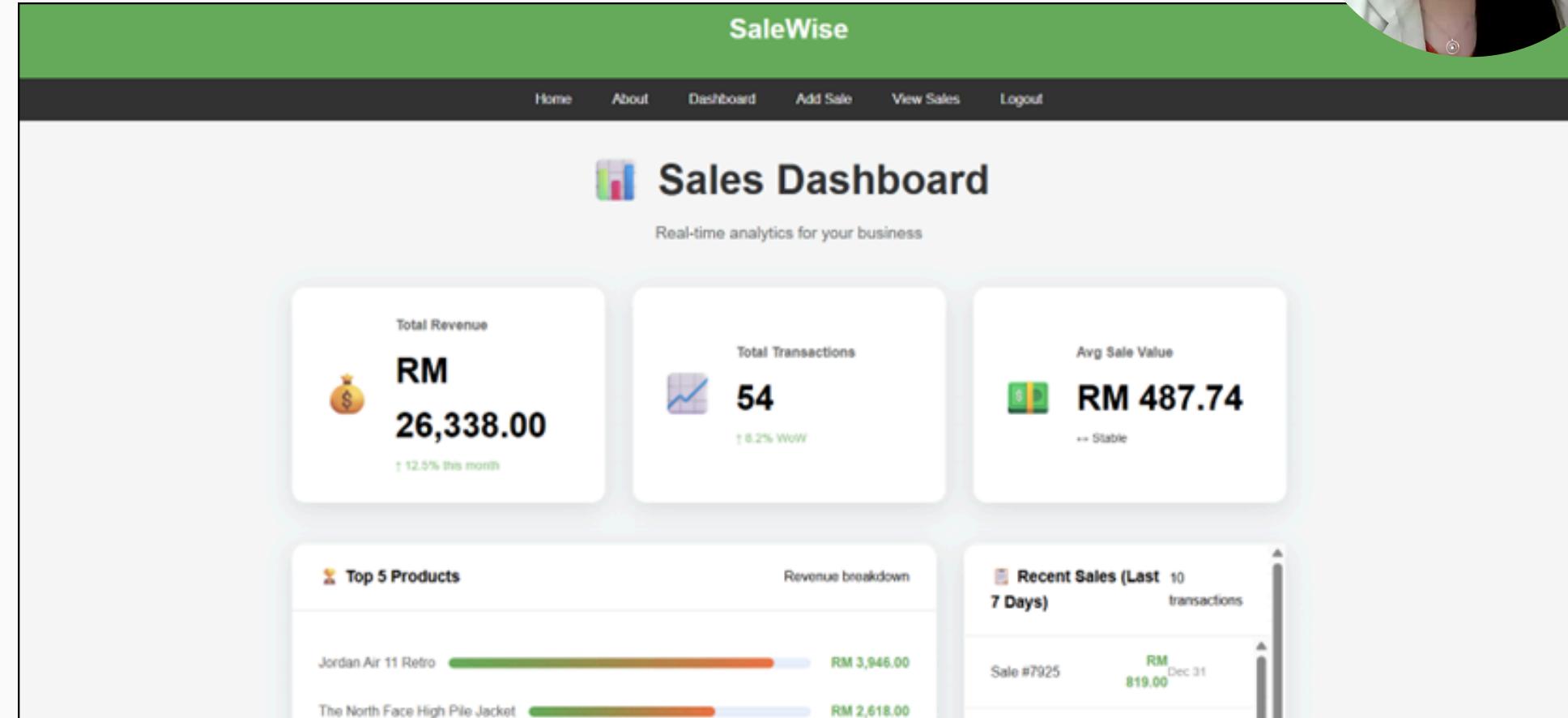
Testing & Responsiveness



System Testing & Responsiveness

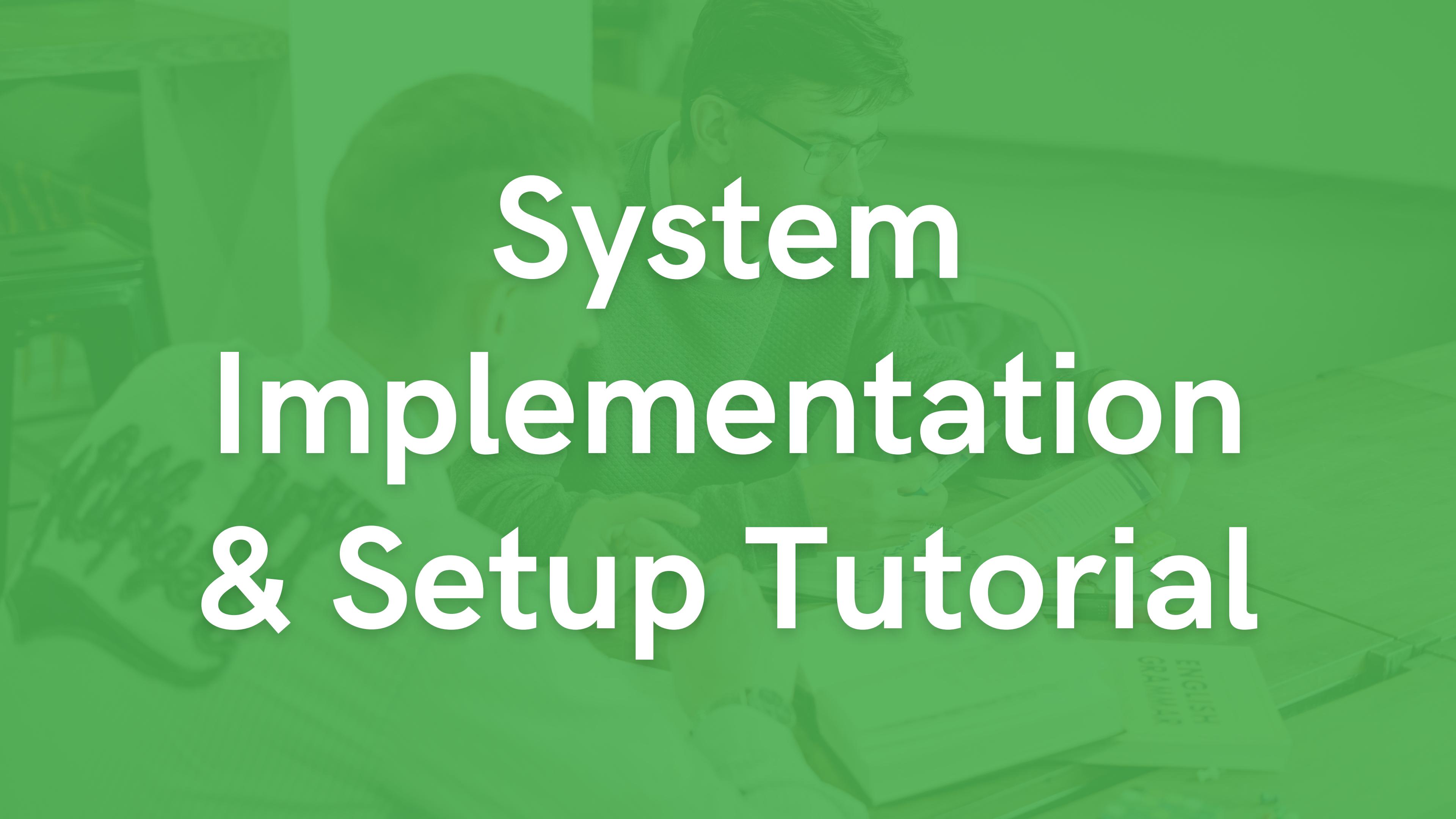


Feature	Test Scenario	Status
User Authentication	Valid credentials login and session start	PASS
Security Validation	Incorrect password error handling	PASS
Add Sale Validation	Negative amount prevention (JS/HTML)	PASS
Add Sale Success	Data insertion into 'sales' table	PASS
Edit Record	Database update and UI reflection	PASS
Delete Record	Confirmation prompt and row removal	PASS
Dashboard Analytics	Real-time KPI updates	PASS
Export Function	Successful '.csv' file download	PASS



Desktop (>1024px): Full navigation and multi-column grid layouts

Mobile (<480px): Optimized form fields and stackable elements for touch interfaces

A man with short brown hair and glasses, wearing a green button-down shirt, is sitting at a desk and looking intently at a laptop screen. His hands are visible on the keyboard. The background is slightly blurred, showing what appears to be a bookshelf with books.

System Implementation & Setup Tutorial

System Implementation & Setup Tutorial



The screenshot shows the Apache Friends website's download section for XAMPP. It lists three versions: XAMPP for Windows 8.0.30, 8.1.25 & 8.2.12, XAMPP for Windows 8.1.25, and XAMPP for Windows 8.2.12. Each entry includes a 'Download' button and file details like version, checksum, and size.

Step 1: Installed XAMPP

The screenshot shows a Windows File Explorer window with the path 'This PC > Local Disk (C:) > xampp > htdocs'. Inside the 'htdocs' folder, there are several subfolders and files. One folder, 'SaleWise', is highlighted with a red box.

Step 2: Place Project folder inside the htdocs directory

The screenshot shows the XAMPP Control Panel v3.3.0 interface. It lists various services: Apache, MySQL, FileZilla, Mercury, and Tomcat. Apache and MySQL are shown as green modules, indicating they are running. The log pane at the bottom shows the startup process for both services.

Step 3: Start Apache and MySQL services from the XAMPP control panel

The screenshot shows a web browser window with the URL 'localhost/salewise/index.php'. The page title is 'SaleWise' and it displays the 'Smart Sales Management System' logo and a brief description.

Step 5: Login using web browser with localhost

The screenshot shows the phpMyAdmin 'Import' screen. It has a sidebar showing databases like information_schema, mysql, performance_schema, phpmyadmin, and salewise. The main area is titled 'Importing into the current server' and contains fields for 'File to Import' (with a 'Choose File' button), 'Character set of the file' (set to utf-8), and 'Partial import' options.

Step 4: Import DB by uploading the provided SQL file

Thank You For Your Time!

Use Smart Sales Management System now

