

SAMPLE DATA

1. Introduction

This test plan outlines the acceptance, edge case, and security tests for the ERP system. Tests verify core functionality across three user roles (Student, Instructor, Admin) and ensure proper separation between Authentication DB and ERP DB

2. Test Environment Setup

2.1 Pre-configured Test Accounts

user_id	username	role	password_hash	status	last_login	failed_attempts	lock_time
1	admin	ADMIN	\$2a\$12\$ASdr0dPERl5/k35ugmoB2ehgv9BJJTmvmrVx9vakgsbpIyzvorCSW	ACTIVE	2025-11-27 19:17:13	0	NULL
2	student1	STUDENT	\$2a\$12\$6LGHFA5c6fmq4IK2l88a4uj01NTfbEpnnyHE6x2KrwLHgDvFkbi	ACTIVE	2025-11-27 19:13:23	0	NULL
3	instructor1	INSTRUCTOR	\$2a\$12\$Jc2dN2BBP5ik0/HzKx62Qt2utupQYsfNIwCsh0xb.q8vu8TC0ltinq	ACTIVE	2025-11-27 19:16:46	0	NULL
4	instructor2	INSTRUCTOR	\$2a\$12\$ihI4rrziflEicLS2VM/azectcDoGEC4vthIuqzZFK4clWwpqjMyJA.	ACTIVE	NULL	0	NULL
5	student2	STUDENT	\$2a\$12\$8KlmB8kgEUwxUQfrg.c/uB.e7Jvwo7TImm8AXEYhk9tr7JxOC	ACTIVE	NULL	0	NULL
6	student3	STUDENT	\$2a\$12\$BNu08MdqLr7bFXCLXUYX6uoUlwiaaP2zhUgZYv6Zcp1bSn8GDJm	ACTIVE	NULL	0	NULL

password

admin- admin1234

student1-student1

instructor1-instructor1

instructor2-instructor2

student2-student2

student3-student3

2.2 Sample Data

Student

user_id	roll_no	program	year
2	1	btech	1
5	2	btech	1
6	3	btech	1

Instructor

```
mysql> select * from instructors;
+-----+-----+-----+
| user_id | department | title |
+-----+-----+-----+
|      3 |    cse     |   hod  |
|      4 |    cse     | prof   |
+-----+-----+-----+
2 rows in set (0.00 sec)
```

Courses

```
mysql> select * from courses;
+-----+-----+-----+
| course_id | code | title | credits |
+-----+-----+-----+
|      213 | CSE101 | Course Title 1 |        4 |
|      214 | CSE102 | Course Title 2 |        4 |
|      215 | CSE103 | Course Title 3 |        4 |
|      216 | CSE104 | Course Title 4 |        4 |
|      217 | CSE105 | Course Title 5 |        4 |
|      218 | CSE106 | Course Title 6 |        4 |
|      219 | CSE107 | Course Title 7 |        4 |
|      220 | CSE108 | Course Title 8 |        4 |
|      221 | CSE109 | Course Title 9 |        4 |
|      222 | CSE110 | Course Title 10 |       4 |
|      223 | CSE111 | Course Title 11 |       4 |
|      224 | CSE112 | Course Title 12 |       4 |
|      225 | CSE113 | Course Title 13 |       4 |
|      226 | CSE114 | Course Title 14 |       4 |
|      227 | CSE115 | Course Title 15 |       4 |
|      228 | CSE116 | Course Title 16 |       4 |
|      229 | CSE117 | Course Title 17 |       4 |
|      230 | CSE118 | Course Title 18 |       4 |
|      231 | CSE119 | Course Title 19 |       4 |
|      232 | CSE120 | Course Title 20 |       4 |
|      233 | CSE121 | Course Title 21 |       4 |
|      234 | CSE122 | Course Title 22 |       4 |
|      235 | CSE123 | Course Title 23 |       4 |
|      236 | CSE124 | Course Title 24 |       4 |
|      237 | CSE125 | Course Title 25 |       4 |
|      238 | CSE126 | Course Title 26 |       4 |
|      239 | CSE127 | Course Title 27 |       4 |
|      240 | CSE128 | Course Title 28 |       4 |
|      241 | CSE129 | Course Title 29 |       4 |
|      242 | CSE130 | Course Title 30 |       4 |
|      243 | CSE131 | Course Title 31 |       4 |
|      244 | CSE132 | Course Title 32 |       4 |
|      245 | CSE133 | Course Title 33 |       4 |
|      246 | CSE134 | Course Title 34 |       4 |
|      247 | CSE135 | Course Title 35 |       4 |
|      248 | CSE136 | Course Title 36 |       4 |
|      249 | CSE137 | Course Title 37 |       4 |
|      250 | CSE138 | Course Title 38 |       4 |
|      251 | CSE139 | Course Title 39 |       4 |
|      252 | CSE140 | Course Title 40 |       4 |
|      253 | CSE141 | Course Title 41 |       4 |
|      254 | CSE142 | Course Title 42 |       4 |
|      255 | CSE143 | Course Title 43 |       4 |
|      256 | CSE144 | Course Title 44 |       4 |
|      257 | CSE145 | Course Title 45 |       4 |
|      258 | CSE146 | Course Title 46 |       4 |
|      259 | CSE147 | Course Title 47 |       4 |
|      260 | CSE148 | Course Title 48 |       4 |
|      261 | CSE149 | Course Title 49 |       4 |
|      262 | CSE150 | Course Title 50 |       4 |
|      263 | CSE151 | Course Title 51 |       4 |
|      264 | CSE152 | Course Title 52 |       4 |
|      265 | CSE153 | Course Title 53 |       4 |
|      266 | CSE154 | Course Title 54 |       4 |
|      267 | CSE155 | Course Title 55 |       4 |
|      268 | CSE156 | Course Title 56 |       4 |
|      269 | CSE157 | Course Title 57 |       4 |
|      270 | CSE158 | Course Title 58 |       4 |
|      271 | CSE159 | Course Title 59 |       4 |
|      272 | CSE160 | Course Title 60 |       4 |
|      273 | CSE161 | Course Title 61 |       4 |
|      274 | CSE162 | Course Title 62 |       4 |
|      275 | CSE163 | Course Title 63 |       4 |
|      276 | CSE164 | Course Title 64 |       4 |
|      277 | CSE165 | Course Title 65 |       4 |
|      278 | CSE166 | Course Title 66 |       4 |
|      279 | CSE167 | Course Title 67 |       4 |
|      280 | CSE168 | Course Title 68 |       4 |
|      281 | CSE169 | Course Title 69 |       4 |
|      282 | CSE170 | Course Title 70 |       4 |
|      283 | CSE171 | Course Title 71 |       4 |
|      284 | CSE172 | Course Title 72 |       4 |
|      285 | CSE173 | Course Title 73 |       4 |
|      286 | CSE174 | Course Title 74 |       4 |
|      287 | CSE175 | Course Title 75 |       4 |
|      288 | CSE176 | Course Title 76 |       4 |
|      289 | CSE177 | Course Title 77 |       4 |
|      290 | CSE178 | Course Title 78 |       4 |
|      291 | CSE179 | Course Title 79 |       4 |
|      292 | CSE180 | Course Title 80 |       4 |
|      293 | CSE181 | Course Title 81 |       4 |
|      294 | CSE182 | Course Title 82 |       4 |
|      295 | CSE183 | Course Title 83 |       4 |
|      296 | CSE184 | Course Title 84 |       4 |
|      297 | CSE185 | Course Title 85 |       4 |
|      298 | CSE186 | Course Title 86 |       4 |
|      299 | CSE187 | Course Title 87 |       4 |
|      300 | CSE188 | Course Title 88 |       4 |
|      301 | CSE189 | Course Title 89 |       4 |
|      302 | CSE190 | Course Title 90 |       4 |
|      303 | CSE191 | Course Title 91 |       4 |
|      304 | CSE192 | Course Title 92 |       4 |
|      305 | CSE193 | Course Title 93 |       4 |
|      306 | CSE194 | Course Title 94 |       4 |
|      307 | CSE195 | Course Title 95 |       4 |
|      308 | CSE196 | Course Title 96 |       4 |
|      309 | CSE197 | Course Title 97 |       4 |
|      310 | CSE198 | Course Title 98 |       4 |
|      311 | CSE199 | Course Title 99 |       4 |
|      312 | CSE200 | Course Title 100 |      4 |
+-----+-----+-----+
100 rows in set (0.00 sec)
```

Sections

```
mysql> select * from sections;
+-----+-----+-----+-----+-----+-----+-----+-----+
| section_id | course_id | instructor_id | day_time | room | capacity | semester | year | status |
+-----+-----+-----+-----+-----+-----+-----+-----+
|      215 |      213 |                 3 | thurs     |    lhc |       20 |      1 |     1 | OPEN   |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

Section Labels

```
mysql> select * from section_labels;
+-----+-----+-----+-----+
| label_id | section_id | course_id | label |
+-----+-----+-----+-----+
|      8 |      215 |      213 | sec_A |
+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

Assessment Component

```
mysql> select * from assessment_components;
+-----+-----+-----+-----+
| id | section_id | name | weight |
+-----+-----+-----+-----+
| 426 |      215 | quiz | 0.5 |
| 427 |      215 | midsem | 0.5 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

Grade

```
mysql> select * from grades;
+-----+-----+-----+-----+-----+
| grade_id | enrollment_id | component | score | final_grade |
+-----+-----+-----+-----+-----+
|      530 |             15 | quiz       |    60 |    79.5 |
|      531 |             15 | midsem    |    99 |    79.5 |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

Enrollments

```
mysql> select * from enrollments;
+-----+-----+-----+-----+
| enrollment_id | student_id | section_id | status   |
+-----+-----+-----+-----+
|          15 |         2 |       215 | ENROLLED |
+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

Notification

```
mysql> select * from notifications;
+-----+-----+-----+-----+
| notification_id | user_id | message                                | created_at | is_read |
+-----+-----+-----+-----+
|        125 |     3 | You have been assigned to Section 'sec_A' (Section ID 215) for Course ID 213. | 2025-11-27 17:59:30 |    1 |
|        126 |     2 | New section available: 'sec_A' (Course ID 213). You may enroll now.           | 2025-11-27 17:59:30 |    1 |
|        127 |     5 | New section available: 'sec_A' (Course ID 213). You may enroll now.           | 2025-11-27 17:59:30 |    0 |
|        128 |     2 | Your score for 'quiz' has been updated in Section 215.                      | 2025-11-27 18:03:51 |    1 |
|        129 |     2 | Your score for 'midsem' has been updated in Section sec_A.                 | 2025-11-27 18:04:25 |    1 |
|        130 |     2 | Final grades for Section 215 have been published.                         | 2025-11-27 18:04:37 |    1 |
|        131 |     2 | Your score for 'quiz' has been updated in Section 215.                      | 2025-11-27 19:06:40 |    1 |
|        132 |     2 | Your score for 'midsem' has been updated in Section sec_A.                 | 2025-11-27 19:07:10 |    1 |
|        133 |     2 | Final grades for Section 215 have been published.                         | 2025-11-27 19:07:23 |    1 |
+-----+-----+-----+-----+
9 rows in set (0.00 sec)
```

Settings

```
mysql> select * from settings;
+-----+-----+
| k      | v      |
+-----+-----+
| dropDeadline | 2027-11-10 18:00:00 |
| maintenance | false   |
+-----+-----+
2 rows in set (0.00 sec)
```

VARUN MEHTA (2024607)

MANNAT RAJ SINGH(202433)