[

  {

    "id": "REQ001\_POSITIVE\_001",

    "title": "Verify REQ001 - Valid email format accepted",

    "description": "Test that valid email addresses are accepted",

    "test\_type": "positive",

    "preconditions": [

      "Email input field is accessible"

    ],

    "test\_steps": [

      "Navigate to email input field",

      "Enter valid email: 'user@example.com'",

      "Submit the form",

      "Verify email is accepted"

    ],

    "expected\_result": "Valid email is accepted without errors",

    "priority": "High",

    "tags": [

      "email",

      "validation",

      "positive",

      "traces\_to\_REQ001"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ002\_POSITIVE\_001",

    "title": "Verify REQ002 - Valid password meets all criteria",

    "description": "Test that a password meeting all requirements is accepted",

    "test\_type": "positive",

    "preconditions": [

      "User registration/password change form is accessible"

    ],

    "test\_steps": [

      "Navigate to password input field",

      "Enter password: 'TestPass123!'",

      "Submit the form",

      "Verify password is accepted"

    ],

    "expected\_result": "Password is accepted and validation passes",

    "priority": "High",

    "tags": [

      "password",

      "validation",

      "positive",

      "traces\_to\_REQ002"

    ],

    "risk\_level": "High",

    "automation\_feasible": true

  },

  {

    "id": "REQ003\_POSITIVE\_001",

    "title": "Verify REQ003 - Successful login with valid credentials",

    "description": "Test successful login with correct username and password",

    "test\_type": "positive",

    "preconditions": [

      "Valid user account exists",

      "Login page is accessible"

    ],

    "test\_steps": [

      "Navigate to login page",

      "Enter valid username",

      "Enter valid password",

      "Click login button",

      "Verify successful login"

    ],

    "expected\_result": "User is successfully logged in and redirected to dashboard",

    "priority": "High",

    "tags": [

      "login",

      "authentication",

      "positive",

      "traces\_to\_REQ003"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ004\_POSITIVE\_001",

    "title": "Verify REQ004 - Valid scenario",

    "description": "Test valid scenario for requirement REQ004",

    "test\_type": "positive",

    "preconditions": [

      "System is ready",

      "Valid test data available"

    ],

    "test\_steps": [

      "Prepare valid test data",

      "Execute the required functionality",

      "Verify expected behavior"

    ],

    "expected\_result": "System behaves as specified in the requirement",

    "priority": "High",

    "tags": [

      "functional",

      "positive",

      "traces\_to\_REQ004"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ005\_POSITIVE\_001",

    "title": "Verify REQ005 - Successful login with valid credentials",

    "description": "Test successful login with correct username and password",

    "test\_type": "positive",

    "preconditions": [

      "Valid user account exists",

      "Login page is accessible"

    ],

    "test\_steps": [

      "Navigate to login page",

      "Enter valid username",

      "Enter valid password",

      "Click login button",

      "Verify successful login"

    ],

    "expected\_result": "User is successfully logged in and redirected to dashboard",

    "priority": "High",

    "tags": [

      "login",

      "authentication",

      "positive",

      "traces\_to\_REQ005"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ002\_NEGATIVE\_001",

    "title": "Verify REQ002 - Password too short (7 characters)",

    "description": "Test that password validation rejects: password too short (7 characters)",

    "test\_type": "negative",

    "preconditions": [

      "User registration/password change form is accessible"

    ],

    "test\_steps": [

      "Navigate to password input field",

      "Enter invalid password: 'Test1!'",

      "Submit the form",

      "Verify appropriate error message is displayed"

    ],

    "expected\_result": "Password rejected - too short",

    "priority": "High",

    "tags": [

      "password",

      "validation",

      "negative",

      "traces\_to\_REQ002"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ002\_NEGATIVE\_002",

    "title": "Verify REQ002 - Password too long (129 characters)",

    "description": "Test that password validation rejects: password too long (129 characters)",

    "test\_type": "negative",

    "preconditions": [

      "User registration/password change form is accessible"

    ],

    "test\_steps": [

      "Navigate to password input field",

      "Enter invalid password: 'A1!aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa'",

      "Submit the form",

      "Verify appropriate error message is displayed"

    ],

    "expected\_result": "Password rejected - too long",

    "priority": "High",

    "tags": [

      "password",

      "validation",

      "negative",

      "traces\_to\_REQ002"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ002\_NEGATIVE\_003",

    "title": "Verify REQ002 - Missing uppercase letter",

    "description": "Test that password validation rejects: missing uppercase letter",

    "test\_type": "negative",

    "preconditions": [

      "User registration/password change form is accessible"

    ],

    "test\_steps": [

      "Navigate to password input field",

      "Enter invalid password: 'testpass123!'",

      "Submit the form",

      "Verify appropriate error message is displayed"

    ],

    "expected\_result": "Password rejected - missing uppercase",

    "priority": "High",

    "tags": [

      "password",

      "validation",

      "negative",

      "traces\_to\_REQ002"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ002\_NEGATIVE\_004",

    "title": "Verify REQ002 - Missing lowercase letter",

    "description": "Test that password validation rejects: missing lowercase letter",

    "test\_type": "negative",

    "preconditions": [

      "User registration/password change form is accessible"

    ],

    "test\_steps": [

      "Navigate to password input field",

      "Enter invalid password: 'TESTPASS123!'",

      "Submit the form",

      "Verify appropriate error message is displayed"

    ],

    "expected\_result": "Password rejected - missing lowercase",

    "priority": "High",

    "tags": [

      "password",

      "validation",

      "negative",

      "traces\_to\_REQ002"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ002\_NEGATIVE\_005",

    "title": "Verify REQ002 - Missing digit",

    "description": "Test that password validation rejects: missing digit",

    "test\_type": "negative",

    "preconditions": [

      "User registration/password change form is accessible"

    ],

    "test\_steps": [

      "Navigate to password input field",

      "Enter invalid password: 'TestPassword!'",

      "Submit the form",

      "Verify appropriate error message is displayed"

    ],

    "expected\_result": "Password rejected - missing digit",

    "priority": "High",

    "tags": [

      "password",

      "validation",

      "negative",

      "traces\_to\_REQ002"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ002\_NEGATIVE\_006",

    "title": "Verify REQ002 - Missing special character",

    "description": "Test that password validation rejects: missing special character",

    "test\_type": "negative",

    "preconditions": [

      "User registration/password change form is accessible"

    ],

    "test\_steps": [

      "Navigate to password input field",

      "Enter invalid password: 'TestPassword123'",

      "Submit the form",

      "Verify appropriate error message is displayed"

    ],

    "expected\_result": "Password rejected - missing special character",

    "priority": "High",

    "tags": [

      "password",

      "validation",

      "negative",

      "traces\_to\_REQ002"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ002\_BOUNDARY\_002",

    "title": "Verify REQ002 - Verify minimum length boundary (8 characters)",

    "description": "Test password with exactly 8 characters",

    "test\_type": "boundary",

    "preconditions": [

      "User registration/password change form is accessible"

    ],

    "test\_steps": [

      "Navigate to password input field",

      "Enter password: 'TstPs1!@...'",

      "Submit the form",

      "Verify password is accepted"

    ],

    "expected\_result": "Password is accepted as it meets length requirements",

    "priority": "High",

    "tags": [

      "password",

      "boundary",

      "length",

      "traces\_to\_REQ002"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ002\_BOUNDARY\_003",

    "title": "Verify REQ002 - Verify maximum length boundary (128 characters)",

    "description": "Test password with exactly 128 characters",

    "test\_type": "boundary",

    "preconditions": [

      "User registration/password change form is accessible"

    ],

    "test\_steps": [

      "Navigate to password input field",

      "Enter password: 'A1!aaaaaaaaaaaaaaaaa...'",

      "Submit the form",

      "Verify password is accepted"

    ],

    "expected\_result": "Password is accepted as it meets length requirements",

    "priority": "High",

    "tags": [

      "password",

      "boundary",

      "length",

      "traces\_to\_REQ002"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ001\_NEGATIVE\_001",

    "title": "Verify REQ001 - Missing @ symbol",

    "description": "Test email validation rejects: missing @ symbol",

    "test\_type": "negative",

    "preconditions": [

      "Email input field is accessible"

    ],

    "test\_steps": [

      "Navigate to email input field",

      "Enter invalid email: 'userexample.com'",

      "Submit the form",

      "Verify error message is displayed"

    ],

    "expected\_result": "Invalid email is rejected with appropriate error message",

    "priority": "Medium",

    "tags": [

      "email",

      "validation",

      "negative",

      "traces\_to\_REQ001"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ001\_NEGATIVE\_002",

    "title": "Verify REQ001 - Missing domain",

    "description": "Test email validation rejects: missing domain",

    "test\_type": "negative",

    "preconditions": [

      "Email input field is accessible"

    ],

    "test\_steps": [

      "Navigate to email input field",

      "Enter invalid email: 'user@'",

      "Submit the form",

      "Verify error message is displayed"

    ],

    "expected\_result": "Invalid email is rejected with appropriate error message",

    "priority": "Medium",

    "tags": [

      "email",

      "validation",

      "negative",

      "traces\_to\_REQ001"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ001\_NEGATIVE\_003",

    "title": "Verify REQ001 - Contains spaces",

    "description": "Test email validation rejects: contains spaces",

    "test\_type": "negative",

    "preconditions": [

      "Email input field is accessible"

    ],

    "test\_steps": [

      "Navigate to email input field",

      "Enter invalid email: 'user@exam ple.com'",

      "Submit the form",

      "Verify error message is displayed"

    ],

    "expected\_result": "Invalid email is rejected with appropriate error message",

    "priority": "Medium",

    "tags": [

      "email",

      "validation",

      "negative",

      "traces\_to\_REQ001"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ001\_NEGATIVE\_004",

    "title": "Verify REQ001 - Double @ symbols",

    "description": "Test email validation rejects: double @ symbols",

    "test\_type": "negative",

    "preconditions": [

      "Email input field is accessible"

    ],

    "test\_steps": [

      "Navigate to email input field",

      "Enter invalid email: 'user@@example.com'",

      "Submit the form",

      "Verify error message is displayed"

    ],

    "expected\_result": "Invalid email is rejected with appropriate error message",

    "priority": "Medium",

    "tags": [

      "email",

      "validation",

      "negative",

      "traces\_to\_REQ001"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  },

  {

    "id": "REQ004\_NEGATIVE\_001",

    "title": "Verify REQ004 - Invalid scenario",

    "description": "Test invalid scenario for requirement REQ004",

    "test\_type": "negative",

    "preconditions": [

      "System is ready"

    ],

    "test\_steps": [

      "Prepare invalid test data",

      "Attempt to execute functionality",

      "Verify error handling"

    ],

    "expected\_result": "System handles error appropriately with proper error messages",

    "priority": "Medium",

    "tags": [

      "functional",

      "negative",

      "traces\_to\_REQ004"

    ],

    "risk\_level": "Medium",

    "automation\_feasible": true

  }

]