Unit Testing Plan

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| **Project Name:** | Timewize Application |
| **Priority:** | High |
| **Description:** | Chrome Browser Test |
| **Test Objective:** | Expected = Actual |

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| **Test Case Author:** | Team 2 |
| **Test Case Reviewer:** | James A, Romnick Z, Bin Y |
| **Test Case Version:** | 001 |
| **Test Execution Date:** |  |

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| **Test Case ID** | **Preconditions** | **Test Steps** | **Input Data** | **Expected** | **Actual** | **Environment** |
| ID 1: User Registration | App deployed.  Browser open.  New user.  User at login page. | Click ‘Register as a new user’ link.  Fill in registration page form.  Click ‘Register’ button. | Enter valid data into registration page input fields. | System navigates browser to main task page where no tasks are listed because none have been created yet for new user. | System navigates browser to main task page where no tasks are listed because none have been created yet for new user. | Chrome Browser.  TimeWize Website. |
| ID 2: Create Task | Browser open.  User registered.  User logged In. | Click on’ Create’ in Nav bar.  Fill in create task form.  Click ‘Save’ button. | Enter valid data into create task page input fields. | System navigates browser directly to Tasks page displaying newly added task in list. | System navigates browser directly to Tasks page displaying newly added task in list. | Chrome Browser.  TimeWize Website. |
| ID 3: Edit Task | Browser open.  User logged in.  Task data exists | Click on ‘Edit’ icon next to chosen task.  Make changes to task details.  Click ‘Save’ button’ | Enter valid data changes into edit task page input fields. | System navigates browser directly to Tasks page displaying edited task details in list. | System navigates browser directly to Tasks page displaying edited task details in list. | Chrome Browser.  TimeWize Website. |
| ID 4: Update Task | Browser open.  User logged in.  Task data exists | Click on ‘Tasks’ in Nav bar.  Click on task detail fields to be edited.  Click ‘Save’ button’. | Changes to task details in ‘Edit’ form. | System navigates browser directly to Tasks page displaying task with new saved details. | System navigates browser directly to Tasks page displaying task with new saved details. | Chrome Browser.  TimeWize Website. |
| ID 5: Delete Task | Browser open.  User logged in.  Task data exists. | Click on ‘Tasks’ in Nav bar.  Click ‘Delete’ icon next to desired task. | Not applicable. | System navigates browser to ‘Confirm Delete’ view. | System navigates browser to ‘Confirm Delete’ view. | Chrome Browser.  TimeWize Website. |
| ID 6: User Login | Browser open.  User registered.  User at ‘Registration’ page. | Click ‘Login’ button. | Valid username entered. Valid password entered. | System navigated directly to tasks home page showing current week’s tasks. | System navigated directly to tasks home page showing current week’s tasks. | Chrome Browser.  TimeWize Website. |
| ID 7: Automatic Email Notifications | User registered.  User logged in or logged out.  Existing tasks in DB.  Task status is not ‘Finished’ 24 hrs before set due date.  User’s email client is functioning.  User has correct email address saved in DB. | N/A | N/A | Email notification to user sent by system. Notification email received by registered user’s email client. | Email notification to user sent by system. Notification email received by registered user’s email client. | N/A |

User Acceptance Test Plan (UAT)

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| Test# | | | | | Task Description | | | | | | Steps | | | | Expected | | | | | | | Pass | | | | | | Fail | | | | | | Comments | | | |
| 1 | | | | | User Registration and login | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.1 | | | | | Register new user | | | | | | | Navigate to Registration (main) page. | | | | Registration page is accessed. | | | | |  | | | | | | | |  | | | | |  | | | |
| 1.2 | | | | | System navigation  Data save to DB | | | | | | | Enter valid information in form. | | | | User is registered.  Login page accessible. | | | | |  | | | | | | | |  | | | | |  | | | |
| 1.3 | | | | | Validations | | | | | | | Enter invalid information into form. | | | | Validation errors appear correctly | | | | |  | | | | | | | |  | | | | |  | | | |
| 1.4 | | | | | System navigation | | | | | | | Valid data entered and click register button. | | | | System navigates to Login page. | | | | |  | | | | | | | |  | | | | |  | | | |
| 1.5 | | | | | Registered user login | | | | | | | Enter valid registration username and password. | | | | Successful login and then system takes user to home page. | | | | |  | | | | | | | |  | | | | |  | | | |
| 1.6 | | | | | Validations | | | | | | | Enter invalid username or password. | | | | Appropriate validation errors appear. | | | | |  | | | | | | | |  | | | | |  | | | |
| 2 | | | | | Tasks Page Link (Home page) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.1 | | | | | | | Registered user login | | | | | | | Registered user logs in. | | | | User logged in. Home page accessible. | | | | |  | | | | | | |  | | | |  | | | |
| 2.2 | | | | | | | User navigation | | | | | | | User clicks ‘Go to the Tasks Page’ link. | | | | Tasks page is accessible. | | | | |  | | | | | | |  | | | |  | | | |
| 3 | | | | | | Create new task | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.1 | | | | | | Registered user login | | | | | | | Registered user logs in. | | | | | User logged in. Home page accessible. | | | | | |  | | | | | | |  | | |  | | | |
| 3.2 | | | | | | User navigation | | | | | | | User navigates to Create page. | | | | | Create new task page is now accessible. | | | | | |  | | | | | | |  | | |  | | | |
| 3.3 | | | | | | Data save to DB | | | | | | | Save new task form. | | | | | Tasks page is now accessible with new task in list. | | | | | |  | | | | | | |  | | |  | | | |
| 3.4 | | | | | | Alternate user navigation | | | | | | | User clicks Cancel button. | | | | | Tasks page is now accessible with list of unfiltered tasks unchanged. | | | | | |  | | | | | | |  | | |  | | | |
| 4 | | | | Task (Home) page display | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.1 | | | | Registered user login | | | | | | Registered user logs in. | | | | | | | | | User logged in. Home page accessible. | | | | | |  | | | | | | |  | | |  | | |
| 4.2 | | | | Data pull from DB | | | | | | User verifies that current seeks tasks are listed along with icons to edit/delete/show details. | | | | | | | | | Tasks for current week are correctly drawn from database. | | | | | |  | | | | | | |  | | |  | | |
| 5 | | Calendar Function | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.1 | | | Registered user login | | | | | | Registered user logs in. | | | | | | | | User logged in. Home page accessible. | | | | | | | | |  | | | | |  | | | | |  | |
| 5.2 | | | User navigation | | | | | | User navigates to calendar page. | | | | | | | | Calendar page is accessible. | | | | | | | | |  | | | | |  | | | | |  | |
| 5.3 | | | Data pull from DB | | | | | | User verifies tasks are displayed. | | | | | | | | Current week’s existing tasks are drawn from DB and displayed with color according to status finished, due soon, or not done. | | | | | | | | |  | | | | |  | | | | |  | |
| 5.4 | | | User navigation  Data pull from DB | | | | | | User navigates to previous week by clicking reverse arrow. | | | | | | | | Calendar showing previous week appears with tasks correctly drawn from DB. | | | | | | | | |  | | | | |  | | | | |  | |
| 5.5 | | | User navigation  Data pull from DB | | | | | | User navigates to following week by clicking forward arrow. | | | | | | | | Calendar showing following week appears with tasks correctly drawn from DB. | | | | | | | | |  | | | | |  | | | | |  | |
| 5.6 | | | User navigation  Data pull from DB | | | | | | User clicks on Today button in current calendar page. | | | | | | | | Page displays current week’s existing tasks correctly drawn from DB. | | | | | | | | |  | | | | |  | | | | |  | |
| 6 | Task List Filter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.1 | Registered user login | | | | | | | Registered user logs in. | | | | | | | | | | | | User logged in. Home page accessible. | | | | | | |  | | | | | |  | | | |  |
| 6.2 | User navigation | | | | | | | User navigates to tasks page. | | | | | | | | | | | | Tasks page is accessible. | | | | | | |  | | | | | |  | | | |  |
| 6.3 | User navigation  Data pull from DB | | | | | | | User selects a task type filter by clicking button for dropdown selection, school, work, or personal. | | | | | | | | | | | | Filter is automatically applied. Task list displays list of saved tasks by chosen filter. | | | | | | |  | | | | | |  | | | |  |
| 7 | Edit Task | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.1 | Registered user login | | | | | | | Registered user logs in. | | | | | | | | | | | | User logged in. Home page accessible. | | | | | | |  | | | | | |  | | | |  |
| 7.2 | User navigation  Data pull from DB | | | | | | | User navigates to tasks page. | | | | | | | | | | | | Tasks page is accessible. | | | | | | |  | | | | | |  | | | |  |
| 7.3 | User navigation | | | | | | | User clicks ‘Edit’ icon/button next to task for editing. | | | | | | | | | | | | Edit task page accessible. | | | | | | |  | | | | | |  | | | |  |
| 7.4 | Data pull from DB | | | | | | | User verifies correct task details for editing chosen task. | | | | | | | | | | | | Page displays form with correct chosen task details drawn from DB. | | | | | | |  | | | | | |  | | | |  |
| 7.5 | User navigation  System navigation | | | | | | | User clicks ‘Cancel’ button. | | | | | | | | | | | | Tasks page is now accessible with all current saved tasks listed and unchanged. | | | | | | |  | | | | | |  | | | |  |
| 7.6 | User navigation  System navigation  Data save to DB | | | | | | | User edits form with new task details.  User Clicks ‘Save’ button. | | | | | | | | | | | | Tasks page is now accessible with edited task changes visible. | | | | | | |  | | | | | |  | | | |  |

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| 8 | | Task Status Update | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.1 | | Registered user login | | | | | Registered user logs in. | | | User logged in. Home page accessible. | | | |  |  | | | | | |  | | | | | |
| 8.2 | | User navigation | | | | | User navigates to tasks page. | | | Tasks page is accessible with all current tasks listed. | | | |  |  | | | | | |  | | | | | |
| 8.3 | | User navigation  Data pull from DB | | | | | User clicks ‘Edit’ button next to task for status update. | | | Edit page is accessible with correct task details in form drawn from DB. | | | |  |  | | | | | |  | | | | | |
| 8.4 | | User navigation | | | | | User clicks on ‘Task Status’ field and selects new status for task. | | | Task field in form shows newly selected status. | | | |  |  | | | | | |  | | | | | |
| 8.5 | | User navigation  Data save to DB | | | | | User clicks ‘Save’ button. | | | Tasks page is now accessible with chosen task status changed in data drawn from DB. | | | |  |  | | | | | |  | | | | | |
| 9 | | Email Feedback | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.1 | Registered user login | | | | | | Registered user logs in. | | User logged in. Home page accessible. | | | |  | | |  | | | | | |  | | | | |
| 9.2 | User navigation | | | | | | User navigates to ‘About’ page. | | About page is accessible. | | | |  | | |  | | | | | |  | | | | |
| 9.3 | User navigation | | | | | | User clicks on email link. | | Windows OS opens window for selecting application to use. | | | |  | | |  | | | | | |  | | | | |
| 9.4 | User navigation | | | | | | User selects ‘Outlook’ from list. | | Outlook email opens with timewizecapstone@gmail.com in recipient and TimeWize\_Feedback in subject line. | | | |  | | |  | | | | | |  | | | | |
| 9.5 | User action | | | | | | User enters comments or feedback in body of email and clicks ‘Send’ | | Email successfully sent. | | | |  | | |  | | | | | |  | | | | |
| 10 | | View Task Details | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.1 | Registered user login | | | | | Registered user logs in. | | | User logged in. Home page accessible. | | |  | | | | |  | | | | | |  | | | |
| 10.2 | User navigation  Data pull from DB | | | | | User navigates to ‘Tasks’ page. | | | Tasks page is now accessible with all unfiltered current tasks listed. | | |  | | | | |  | | | | | |  | | | |
| 10.3 | User navigation  Data pull from DB | | | | | User clicks on ‘Info’ icon next to desired task for details. | | | Details page is now accessible displaying chosen task details drawn from DB. | | |  | | | | |  | | | | | |  | | | |
| 10.4 | User navigation  Data pull from DB | | | | | User reviews task details and clicks ‘Back To Tasks’ button. | | | Tasks page is accessible again with unfiltered list of current tasks in DB. | | |  | | | | |  | | | | | |  | | | |
| 11 | | Delete Task | | | | | | | | | | | | | | | | | | | | | | | | |
| 11.1 | | Registered user login | | | Registered user logs in. | | | User logged in. Home page accessible. | | |  | | | | | | |  | | | | | |  | | |
| 11.2 | | User navigation  Data pull from DB | | | User navigates to ‘Tasks’ page | | | Tasks page is accessible with all current unfiltered tasks drawn from DB. | | |  | | | | | | |  | | | | | |  | | |
| 11.3 | | User navigation  System navigation  Data pull from DB | | | User clicks ‘Delete’ icon next to task they wish to delete. | | | Delete confirmation page is now accessible with name of task to be deleted. | | |  | | | | | | |  | | | | | |  | | |
| 11.4 | | User navigation  System navigation  Data save to DB | | | User clicks ‘Confirm Deletion’ button. | | | Tasks page is now accessible with chosen task deleted from current tasks list. | | |  | | | | | | |  | | | | | |  | | |
| 11.5 | | Alternate user navigation  System navigation | | | User clicks ‘Cancel’ button’ | | | Tasks page is now accessible with chosen task remaining in current tasks list. | | |  | | | | | | |  | | | | | |  | | |
| 12 | | User Logout | | | | | | | | | | | | | | | | | | | | | | | | |
| 12.1 | Registered user login | | | Registered user logs in. | | | | User logged in. Home page accessible. | | | | |  | | | | | |  | | | | | |  | |
| 12.1 | User navigation  System navigation | | | User clicks ‘Logout’ | | | | User is logged out. Login page is accessible. | | | | |  | | | | | |  | | | | | |  | |
| 13 | Email Notifications | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13.1 | Application System action | | System recognizes task with not ‘Finished’ status is 24 hrs before user’s set due date. | | | | | System sends reminder email regarding unfinished task and approaching due date. | | | | | |  | | | | | |  | | | | | |  |
| 13.2 | User’s email client | | Notification email received | | | | | Notification email successfully received in user’s email client. | | | | | |  | | | | | |  | | | | | |  |