

Packattk: Testing Plan

ID:1	As an administrator, I would like to be able to open an interface displaying a person's current packages.	8 hours
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Test Cases:

- 1.1: Web interface opens correctly (Critical)
 - Instructions
 - Go to the website
 - Log in using valid administrator username and password
 - Expected Results
 - Main web page interface loads without errors
 - Correct packages are displayed based on appropriate level of access
- 1.2: Android application loads (Important)
 - Instructions
 - Launch application
 - Log in using valid administrator username and password
 - Expected Results
 - Android interface loads without errors
 - Correct packages are displayed based on appropriate level of access
- 1.3: Invalid username or password (Critical)
 - Instructions
 - User opens the website or Android app
 - User logs in using an invalid username and/or an incorrect password
 - Expected Results
 - An error message is displayed stating that invalid credentials were used
 - No packages or other data for any user are displayed
- 1.4: Non-administrator login (Critical)
 - Instructions
 - User opens the website or Android app
 - User logs in to an account without administrator privileges
 - Expected Results
 - Package and account information for other users cannot be accessed

ID:2	As an administrator, I would like to be able to enter a package into the system.	4 hours
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Test Cases:

- 2.1: Enter a package into the system (Critical)
 - Instructions
 - User opens the package entry form
 - User scans the package barcode into the appropriate text field

- User locates the appropriate package owner
 - User submits the form
 - Expected Results
 - Package is in the database and associated with the correct user
- 2.2: Enter multiple packages into the system (Workaround)
 - Instructions
 - User opens the package entry form
 - User scans each package barcode into the appropriate text field
 - User locates the student that owns all of the scanned packages
 - User submits the form
 - Expected Results
 - All packages are in the database and each is associated with the correct user
- 2.3: Search for non-existent user (Workaround)
 - Instructions
 - User opens entry form and scans one or more packages
 - User types an owner name that does not correspond to a user
 - User submits the form
 - Expected Result
 - No change to the system or database occurs
 - An error message is displayed stating that the user does not exist
- 2.4: No packages scanned (Workaround)
 - Instructions
 - User opens entry form but does not scan any packages
 - User types a valid owner name
 - User submits the form
 - Expected Results
 - No change to the system or database occurs
 - A message is displayed stating that no packages were entered into the system

ID:3	As an administrator I would like to see all packages of at least a certain age.	3 hours
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Test Cases:

- 3.1: Show all packages (Important)
 - Instructions
 - User logs in to system with administrator credentials
 - Expected Results
 - Today's date is displayed in the date filter box by default
 - All packages are displayed
- 3.2: Show packages of a certain age (Important)

- Instructions
 - User logs in to system with administrator credentials
 - User enters a date by which packages should be filtered
- Expected Result
 - All packages scanned in on or before the given date are displayed
- 3.3: Show packages of a certain age - invalid date - future (Workaround)
 - Instructions
 - User logs in to system with administrator credentials
 - User enters a date in the future for filtering packages
 - Expected Results
 - An error message is displayed to the user stating that an invalid date was given
- 3.4: Show packages of a certain age - invalid date input (Workaround)
 - Instructions
 - User logs in to system with administrator credentials
 - User enters invalid (non-date) input into the date entry box
 - Expected Results
 - An error message is displayed to the user stating that invalid input was given

ID:4	As an administrator, I would be notified of packages that have not been picked up after a specified amount of time.	3 hours
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Test Cases:

- 4.1: Check if notifications arrive (Important)
 - Instructions
 - Wait for package timer to expire
 - Check if notification arrives
 - Expected Results
 - Notification should arrive informing administrator that package has not been picked up for awhile
- 4.2: Multiple packages are tracked independently (Important)
 - Have multiple packages in the system
 - Expected Results: Notifications of late packages should be added to a list as their timers expire
- 4.3: Notify correct administrator (Workaround)
 - Instructions
 - Package timer expires
 - Expected Results
 - Administrator in charge of that package's location should be notified
 - No other administrators should be notified

ID:5	As a student, I would like to know via email when my package has arrived.	4 hours
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Test Cases:

- 5.1: Notification of package arrival through email (Important)
 - Instructions
 - Package is scanned in by administrator
 - package information and corresponding user entered into database
 - system sends email to notify user of package arrival
 - Expected Results
 - Correct student gets email notification
- 5.2: Notification of multiple packages (Important)
 - Instructions
 - Enter multiple packages into the system
 - multiple packages entered for a single user into the database
 - server sends email to user
 - Expected Results
 - Only one email should be sent listing all packages for a user
- 5.3: No package arrives (Important)
 - Instructions:
 - When no package is delivered to a student, the system does not send a notification
 - Expected Results: The student has no notifications of packages to pick up

ID:6	As a student, I would like to check if I have packages via a web interface.	5 hours
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Test Cases:

- 6.1: Web application loads correctly (Critical)
 - Instructions
 - Log on to website with correct username and password
 - Expected Results
 - Web Interface loads up correctly
- 6.2: Correct listing of packages (Important)
 - Instructions
 - Student logs in to web application
 - Expected Results
 - Student's packages are listed
 - Packages not belonging to the student are not listed
- 6.3: Check for no packages (Critical)
 - Instructions:

- Open the web interface
 - Check for packages
- Expected Results:
 - Message displayed saying that there are no packages to be picked up

ID:7	As a student, I would like the option to get a notification on my phone when my package arrives.	3 hours
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Test Cases:

- 7.1: Notification of package arrival through phone (Workaround)
 - Instructions
 - Administrator scans in package
 - Expected Results
 - Correct student receives text message notification
- 7.2: Send the correct notification through email (Workaround)
 - Instructions:
 - Administrator scans the package
 - Package is entered into database
 - System sends message to a user
 - Expected Result
 - Notification about correct package is sent to user's phone
- 7.3: Notification via app (Workaround)
 - Instructions:
 - User selects notify through app via android application
 - package is scanned in and entered into database linked to user
 - Expected Result:
 - Notification should arrive in application and not through a text message

ID:8	As a student, I would like to be able to check if I have packages via an Android interface.	8 hours
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Test Cases:

- 8.1: Launch the Android application (Critical)
 - Instructions
 - Click the app logo
 - Expected Results
 - The application will be opened and show the login page
- 8.2: Login with valid username and password (Critical)
 - Instructions
 - Enter and submit the valid username and password
 - Expected Results
 - Jump to user account page

- List all packages the user has not picked up
- 8.3: Login with invalid username and password (Critical)
 - Instructions
 - Enter and submit the invalid username or password, or leave either of them empty
 - Expected Results
 - The page still notify the user to re-enter username and password

ID:9	As an administrator, I would like to be able to update the location of a package in the system.	4 hours
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Test Cases:

- 9.1: Update the location of a package (Important)
 - Instructions
 - Administrator selects the specific package
 - Enter and submit the new location
 - Expected Results
 - The package location is updated on the website
- 9.2: Package is already in system (Important)
 - Instructions
 - Administrator scans a package that has already been scanned
 - Expected Results
 - System notifies administrator that this would create a duplicate
 - Package is not entered into system

ID:10	As a student, I would like to create an account.	5 hours
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Test Cases:

- 10.1: Account creation works (Critical)
 - Instructions
 - Student selects 'Create Account'
 - Student fills out and submits account form
 - Expected Results
 - Student gets created account added to the database
 - Student should now be able to log in with new account
- 10.2: Invalid account information given (Critical)
 - Instructions
 - One or more of the fields on the account form contains an invalid response
 - Expected Results
 - Student should be notified of error

- Account should not be created
- 10.3: Cancellation of account creation (Important)
 - Instructions
 - Student clicks 'Cancel'
 - Expected Results
 - Student is returned to log in screen
 - Account is not created