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| MedCheck | Version 1.0 |
| Test Cases | June 2015 |

MedCheck

Test Cases

Version 1.0



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1.0 Test Setup

To facilitate the testing effort, we have compiled a set of medications contained within the FDA Drug Dataset for search purposes.

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2.0 MedCheck Test Cases

2.1 Online Allergy Check

| | |
|-----------------|---|
| Purpose | To run a check against a medication using the Brand or Generic drug name to see if the drug contains any active or inactive ingredients that are designated as allergens. |
| Scenario | A Patient has the name of a medication and wants to ensure that usage will not result in an allergic reaction |
| Actors | Patient, Parent, Medical Professional |
| Pre-Conditions | User has an internet enabled device (computer, tablet, smart phone) User has the brand or generic name of a drug they want to check against. |
| Post-Conditions | User is informed if the drug contains the input ingredients. |

| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|----------|---|--|-----|
| 1 | Navigate to the MedCheck site: | MedCheck landing page appears | P |
| 2 | Enter in a medication name Input one or more ingredients into the allergens field Select the option to conduct a search | Ingredient Found: see a message that one or more input ingredients were found in the entered medication Ingredient Not Found: See a message that the input ingredients were not found in the entered medication | P |
| Comments | | | |

2.2 Age Warnings

| | |
|----------------|---|
| Purpose | To run a check against a medication using the Brand or Generic drug name to see if there are any warnings based on a selected age group |
| Scenario | A Parent has the name of a medication and wants to ensure that the drug is safe for the intended person's age group |
| Actors | Patient, Parent, Medical Professional |
| Pre-Conditions | User has an internet enabled device (computer, tablet, smart phone) User has the brand or generic name of a drug they want to check against. |

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| | |
|-----------------|---|
| Post-Conditions | User is informed if the drug contains any warnings for the selected age group |
|-----------------|---|

| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|----------|--|--|-----|
| | | | |
| 1 | Navigate to the MedCheck site: | MedCheck landing page appears | P |
| 2 | Enter in a medication name Select one or more age groups Select the option to conduct a search | Warning Found: see a message that there is a warning for the selected age range Warning Not Found: See a message that the medication is safe for the designated age group | P |
| Comments | | | |

2.3 Pregnancy / Nursing Warnings

| | |
|-----------------|---|
| Purpose | To run a check against a medication using the Brand or Generic drug name to see if there are any warnings for Pregnant or Nursing women |
| Scenario | A Mother has the name of a medication and wants to ensure that the drug is safe for use while pregnant or nursing |
| Actors | Patient, Parent, Medical Professional |
| Pre-Conditions | User has an internet enabled device (computer, tablet, smart phone) User has the brand or generic name of a drug they want to check against. |
| Post-Conditions | User is informed if the drug contains any warnings for pregnant or nursing women |

| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|------|--|---|-----|
| | | | |
| 1 | Navigate to the MedCheck site: | MedCheck landing page appears | P |
| 2 | Enter in a medication name Select option to check for Pregnant or Nursing warnings Select the option to conduct a search | Warning Found: see a message that there is a warning for usage by pregnant/nursing women Warning Not Found: See a message that the medication is safe for use by | P |

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| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|----------|--------|------------------------------------|-----|
| | | pregnant/nursing women | |
| Comments | | | |

2.4 Multiple Criteria Warnings

| | |
|-----------------|---|
| Purposes | To run a check against a medication using the Brand or Generic drug name to see if there are any warnings (allergy, age, pregnancy) |
| Scenario | A patient has the name of a medication and wants to ensure that the drug is safe for use |
| Actors | Patient, Parent, Medical Professional |
| Pre-Conditions | User has an internet enabled device (computer, tablet, smart phone) User has the brand or generic name of a drug they want to check against. |
| Post-Conditions | User is informed if the drug contains any warnings |

| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|----------|---|---|-----|
| | | | |
| 1 | Navigate to the MedCheck site: | MedCheck landing page appears | P |
| 2 | Enter in a medication name Enter one or more parameters to check: Allergens Age Group Pregnant/Nursing Select the option to conduct a search | Allergens: Ingredient found warning or not found message Age Range: Not recommended or Safe for selected age groups Pregnant/Nursing; Warning found or safe for expectant/nursing mothers message | P |
| Comments | | | |

2.5 Barcode Scan for Medication Name

| | |
|----------|---|
| Purpose | To run a check against a medication using the UPC code to see if there are any warnings (allergy, age, pregnancy) |
| Scenario | A patient has a UPC Code to scan to ensure that the drug is safe for use |
| Actors | Patient, Parent, Medical Professional |

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|-----------------|--|
| Pre-Conditions | User has an internet enabled device with a camera (tablet, smart phone) User has the UPC code they want to check against. |
| Post-Conditions | User is informed if the drug contains any warnings the selected parameters. |

| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|----------|--|---|-----|
| | | | |
| 1 | Navigate to the MedCheck site: | MedCheck landing page appears | |
| 2 | Select option to scan a barcode | Launch Camera function | |
| 3 | Take a picture of the barcode | Display the scanned UPC from the barcode | |
| 4 | Enter in one or more parameters to check: Allergens Age Group Pregnant/Nursing Select the option to conduct a search | Allergens: Ingredient found warning or not found message Age Range: Not recommended or Safe for selected age groups Pregnant/Nursing; Warning found or safe for expectant/nursing mothers message | |
| Comments | Not yet available | | |

2.6 Save Search Criteria as a profile (New Account)

| | |
|-----------------|--|
| Purpose | To save a set of allergens, age ranges or pregnancy/nursing settings to use in future searches |
| Scenario | An individual regularly purchases medications and wants to save their criteria to more quickly search future medications based on saved parameters |
| Actors | Patient, Parent, Medical Professional |
| Pre-Conditions | User has an internet enabled device (computer, tablet, smart phone) |
| Post-Conditions | User saves a profile for future use |

| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|------|--|--|-----|
| | | | |
| 1 | Navigate to the MedCheck site: | MedCheck landing page appears | P |
| 2 | Enter one or more parameters to check: | Display registration options (Email, Social Media) | P |

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| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|-----------------|--|---|-----|
| | Allergens Age Group Pregnant/Nursing Select the option to save your choices | | |
| 3 | Select option to register with an email address | Option to enter email address and create password option appears | |
| 4 | Select option to register with a social media account (Twitter, Facebook, Google0 | Option to register with an existing account appears | |
| 5 | Enter credentials Enter a name for the profile Select option to create account | The my account page is displayed with the saved profile information | |
| Comments | Not Available | | |

2.7 Create an Additional Profile

| | |
|-----------------|---|
| Purpose | To save an additional set of allergens, age ranges or pregnancy/nursing settings to use in future searches |
| Scenario | A user with an existing account creates an additional profile for another family member to check for warnings |
| Actors | Patient, Parent, Medical Professional |
| Pre-Conditions | User has an internet enabled device (computer, tablet, smart phone) |
| Post-Conditions | User saves an additional profile for future use |

| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|------|--|------------------------------------|-----|
| | | | |
| 1 | Navigate to the MedCheck site: | MedCheck landing page appears | P |
| 2 | Select option to log into your account | Account Login screen appears | P |
| 3 | Enter email address and password and login | Home page appears | P |
| | Select My Profiles option | Profile page appears | |

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| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|-----------------|--|-------------------------------------|-----|
| 4 | Select option to create an additional profile | New profile options appear | p |
| 5 | Enter parameters and profile name and save the profile | New profile is added to the account | p |
| 6 | Enter allergens | Allergen information is saved | p |
| Comments | | | |

2.8 Search against multiple Profiles

| | |
|-----------------|---|
| Purpose | Check a medication against multiple profiles for warnings |
| Scenario | A user with multiple saved profiles runs a search against a drug |
| Actors | Patient, Parent, Medical Professional |
| Pre-Conditions | User has an internet enabled device (computer, tablet, smart phone) User has an account with at least 2 profiles |
| Post-Conditions | Warnings are displayed |

| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|-----------------|---|--|-----|
| | | | |
| 1 | Navigate to the MedCheck site: | MedCheck landing page appears | |
| 2 | Select option to log into your account | Account Login screen appears | |
| 3 | Enter email address and password and login | Profile page appears | |
| 4 | Enter a medication name or scan the barcode Select the profiles to include Select option to search for warnings | Display warning messages for each selected profile | |
| 5 | | | |
| Comments | | Not yet Available | |

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2.9 Share results on Social Media

| | |
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| Purpose | Post warning results for a medication to social media |
| Scenario | A user wants to share their findings on social media |
| Actors | Patient, Parent, Medical Professional |
| Pre-Conditions | User has an internet enabled device (computer, tablet, smart phone) User has a social media account (Facebook, Twitter) |
| Post-Conditions | Findings are shared |

| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|----------|---|---|-----|
| | | | |
| 1 | Navigate to the MedCheck site: | MedCheck landing page appears | |
| 2 | Enter in a medication name Enter one or more parameters to check: Allergens Age Group Pregnant/Nursing Select the option to conduct a search | Allergens: Ingredient found warning or not found message Age Range: Not recommended or Safe for selected age groups Pregnant/Nursing; Warning found or safe for expectant/nursing mothers message | |
| 3 | Select option to share with Twitter or Facebook | Post message to selected site with medication name and findings | |
| Comments | Not yet Available | | |

2.10 Provide Feedback

| | |
|-----------------|---|
| Purpose | Provide feedback on usability, issues or functionality of the MedCheck application |
| Scenario | A user wants to provide feedback |
| Actors | Patient, Parent, Medical Professional |
| Pre-Conditions | User has an internet enabled device (computer, tablet, smart phone) User User has used the MedCheck application |
| Post-Conditions | Feedback has been provided |

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| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|----------|--|--|-----|
| | | | |
| 1 | Navigate to the MedCheck site: | MedCheck landing page appears | P |
| 2 | Select the Application Feedback option | Display feedback information screen | P |
| 3 | Connect to MedCheck GitHub site | Re-direct user to GitHub page for MedCheck application | P |
| Comments | | | |

2.11 Application Help

| | |
|-----------------|---|
| Purpose | Get help while using the MedCheck application |
| Scenario | A user needs help while using the application |
| Actors | Patient, Parent, Medical Professional |
| Pre-Conditions | User has an internet enabled device (computer, tablet, smart phone) |
| Post-Conditions | User has accessed help information |

| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|------|--|---|---------|
| | | | |
| 1 | Navigate to the MedCheck site: | MedCheck landing page appears | P |
| 2 | Select the Help option | The Help page displays | P |
| 3 | Select option to view the FAQ information | Display the FAQ page | N/A |
| 4 | Return to the Help screen | The Help page displays | N/A |
| 5 | Submit a help request: Select topic Enter question/comments Upload a file (optional) Enter email address | A confirmation message is displayed your request is being processed | Partial |

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| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|-----------------|---|------------------------------------|-----|
| | Submit request | | |
| Comments | Page is available, FAQ, Twitter and Submission are future enhancements not available in prototype | | |

2.12 Forgot Password

| | |
|-----------------|--|
| Purpose | Providing users with a way to reset their passwords |
| Scenario | A user with an account forgets their password |
| Actors | Patient, Parent, Medical Professional |
| Pre-Conditions | User has an internet enabled device (computer, tablet, smart phone) User has an account |
| Post-Conditions | Password is reset |

| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|-----------------|--|---|-----|
| | | | |
| 1 | Navigate to the MedCheck site: | MedCheck landing page appears | P |
| 2 | Select Log In option | Login page displays | P |
| 3 | Select forgot Password option | Password reset page displays | NA |
| 4 | User enters email address and selects Forgot password option | System emails a link with a reset password link | NA |
| 5 | User opens password reset link | Password reset page displays | NA |
| 6 | User enters a new password and saves | New password is stored | NA |
| Comments | Future Enhancement | | |

2.13 View Policy Information

| | |
|---------|--|
| Purpose | Users need a way to view the policy information for the application, including terms, privacy and security information |
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| | |
|-----------------|---|
| Scenario | A user wants to view policy information |
| Actors | Patient, Parent, Medical Professional |
| Pre-Conditions | User has an internet enabled device (computer, tablet, smart phone) |
| Post-Conditions | Policy information is viewed |

| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|----------|--------------------------------|--|-----|
| | | | |
| 1 | Navigate to the MedCheck site: | MedCheck landing page appears | P |
| 2 | Select Terms option | Application Terms are displayed | P |
| 3 | Select Privacy option | Application Privacy policy is displayed | P |
| 4 | Select Security option | Application Security policy is displayed | P |
| Comments | | | |

2.14 Admin – Delete Account

| | |
|-----------------|---|
| Purpose | System administrators need a way to delete an account and associated profiles when requested by the end user |
| Scenario | A user requests that their account be removed |
| Actors | Admin |
| Pre-Conditions | There is an account for the requesting user User has submitted a help ticket to have their account removed |
| Post-Conditions | The requested account is removed |

| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|------|--|--|-----|
| | | | |
| 1 | Log into the Admin site | MedCheck Admin site screen displays | |
| 2 | Search for an account using the individual's email address | Account is found for the email address | |

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| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|-----------------|-------------------------------------|--|-----|
| 3 | Select option to delete the account | Confirmation message appears | |
| 4 | Confirm the Action | Account is removed and updated account list is displayed | |
| Comments | | | |

2.15 Admin – Reset password

| | |
|-----------------|--|
| Purpose | System administrators need to be able to reset passwords for user accounts |
| Scenario | A user requests that their password be reset |
| Actors | Admin |
| Pre-Conditions | There is an account for the requesting user User has submitted a help ticket to have their password reset |
| Post-Conditions | An email is generated to the user to reset their password |

| STEP | ACTION | EXPECTED / ACTUAL RESULT & COMMENT | P/F |
|-----------------|--|--|-----|
| | | | |
| 1 | Log into the Admin site | MedCheck Admin site screen displays | |
| 2 | Search for an account using the individual's email address | Account is found for the email address | |
| 3 | Select option to reset the password | An email is generated to the user with password reset instructions | |
| Comments | | | |