MedFinder   
Sprint 2 Stories

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C:\work\documents\Graphics\Harmonia Logo (green and purple)\HarmoniaLogo2014-logo-only-transparent-small.png

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# About this Document

This document contains user stories for MedFinder. In a typical project, Harmonia would use iceScrum (<https://www.icescrum.com/>) to hold user stories and track progress of sprints. For the 18F solicitation exercise, we documented user stories here.

# Planning Parameters

## Story Point Scale

The following scale was used for determining story points. The hour estimates are a general guideline of effort, but the team also incorporates risk assessment when assigning story points. The actual hours of work may be associated with a lower point value according to this scale if the risk of uncertainty or failure on a story is determined to be high.

Stories should not be assigned points higher than 13. This indicates that the story is too large and should be split into smaller stories.

|  |  |
| --- | --- |
| Points | Effort |
| 1 | Less than 2 hours |
| 2 | 2 to 4 hours |
| 3 | 4 to 6 hours |
| 5 | 6 to 10 hours |
| 8 | 10 to 16 hours |
| 13 | 16 to 24 hours |

## Team Size & Velocity

The work described by the stories in this sprint will be performed using 2 persons for the duration of the sprint which is 1.5 days.

With the story points detailed below, the planned team velocity for this sprint is 14 points. This is lower than the previous sprint due to the change in team size.

# User Stories

## Add Result Limit

### Story Description

As a user, I want to select a result limit when I perform a search in order to specify how many results I would like to see.

**Story Points: 1**

### Acceptance Tests

1. A limit field is available in the Side Effects search form.
2. Side effect search results are limited by the specified limit.
3. A limit field is available in the Routes search form.
4. Route search results are limited by the specified limit.
5. A limit field is available in the Drugs search form.
6. Drug search results are limited by the specified limit.

## Add Reset Form Functionality

### Story Description

As a user, I want to the ability to quickly clear the search forms in order to perform a new search more efficiently.

**Story Points: 1**

### Acceptance Tests

1. Fields in the Side Effects search form can be cleared by clicking a button.
2. Fields in the Routes search form can be cleared by clicking a button.
3. Fields in the Drugs search form can be cleared by clicking a button.

## Add Help Information for Searches

### Story Description

As a user, I want to see help information about how a search is performed in order to help me understand what to expect based on my criteria values.

**Story Points: 1**

### Acceptance Tests

1. Help information describing how criteria values are combined exists for the Side Effects search.
2. Help information describing how criteria values are combined exists for the Routes search.
3. Help information describing how criteria values are combined exists for the Drugs search.

## Update Adverse Event Search Terminology

### Story Description

As a consumer, I want “adverse events” to be called “side effects,” “indication” to be called “purpose/use,” and “substance name” to be called “active ingredient” in order to make the information more easily understandable to a non-medical user.

**Story Points: 1**

### Acceptance Tests

1. All instance of “adverse events” have been replaced with “side effects.”
2. All instance of “indication” have been replaced with “purpose/use.”
3. All instance of “substance name” have been replaced with “active ingredient.”

## Add Units to Fields

### Story Description

As a consumer, I want units to be added to the field labels for age and weight in order to help me enter appropriate values.

**Story Points: 1**

### Acceptance Tests

1. The age field label includes the unit ‘years.’
2. The weight field label includes the unit ‘lbs.’

## Alphabetize Drug List in Side Effects Search Results

### Story Description

As a consumer, I wants the items in the Drugs column in the Side Effects search results to be alphabetized in order to allow me to scan the list more quickly for a specific item.

**Story Points: 1**

### Acceptance Tests

1. The drugs list is alphabetized.

## Display More Information in Side Effects Search Results

### Story Description

As a consumer, I want to see the patient criteria values in the search results of the Side Effects search in order to better evaluate the results.

**Story Points: 1**

### Acceptance Tests

1. The side effects results display patient age.
2. The side effects results display patient gender.
3. The side effects results display patient weight.

## Select Route from a List

### Story Description

As a medical professional, I want to select a route of administration from a drop down list in the Drugs Search in order to prevent searching with invalid values.

**Story Points: 1**

### Acceptance Tests

1. Routes of administration field is a drop down list.

# Technical Stories

## Implement Error Handling

### Story Description

Implement error handling on the server such that exceptions thrown within the REST service cause the request response to be sent back with a status other than 200 OK and with an appropriate error message. Update the client to detect and display errors returned from the REST service.

**Story Points: 3**

### Acceptance Tests

1. Exceptions in the REST service are handled and returned to the client.
2. The client handles errors and displays appropriate messages to the user.

# Bug Fix Stories

## Bug 3: Special Characters not all handled well

### Story Description

See Bug 3 for details. (https://github.com/HarmoniaHoldings/medfinder/issues/3)

Implement appropriate encoding or escaping of characters for all values sent between the client, server, and database to protect against injection attacks and corrupt requests.

**Story Points: 3**

### Acceptance Tests

1. Parameters coming into REST service methods are decoded and cleaned as appropriate.
2. Parameters being sent to the OpenFDA REST API are encoded as appropriate.
3. Values being stored in the database are encoded as appropriate.
4. Values entered into the UI by the user are cleaned and encoded as appropriate.
5. Validation exists in fields as needed.

# Urgent Tasks

## Adjust Column Width

Adjust the width of the Purposes column in the Drugs search so that it is wider.

## Placeholder Text in Fields

Add placeholder text to all search form fields that provides a description of what the value should be or examples.

## Bug 1: Age/weight accept negative numbers

See Bug 1 for details. (<https://github.com/HarmoniaHoldings/medfinder/issues/1>)

Add additional validation to fields.

## Bug 2: Ranges don’t require min<=max

See Bug 2 for details. (<https://github.com/HarmoniaHoldings/medfinder/issues/2>)

Add additional validation to fields.