

## Testing

### **Unit Testing:**

- Unit testing will be done with phpunit
- All functions must have tests
- Unit tests are located in Source/opentray/tests/Unit
- Unit tests can be created using "php artisan make:test UserTest --unit"
- Documentation can be found at <https://laravel.com/docs/5.8/testing>

### **System Testing:**

- System testing is done with Dusk.
- You'll need to install the package "chromium-chromedriver"
- All interactable elements (buttons, textboxes, etc) must have a dusk tag, use all lowercase for names, ie "<button dusk='submit\_button'>Submit</button>".
- Tests can be run using "php artisan dusk"
- Documentation can be found at <https://laravel.com/docs/5.8/dusk>

### **Other:**

- Blackbox testing by having an end user use the system with minimal direction from developers