**Red Team**

**Stargazer**

**Automatic Telescope Control System**

**Release Notes**

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**Course:**

**COSC 471**

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# ****Release Notes: Prototype: Release #5****

In this release, many GUI enhancements to the web application have been added. As well, a celestial library was added to the database with over 70,000 objects. Parking has also been completed.

#### Repository Information:

This release is tagged on our GitHub repositories (both in documentation and as an application) as release: v5.0.1

How to download a tagged version (after cloning the remote GitHub repository):

|  |
| --- |
| git checkout v5.0.1 |

To view the release for the web application, please view our repository: <http://github.com/RedTeamCOSC470/Stargazer>

Note: see the “Downloads” tab in this repository to download the files in zip format.

To view the release for the telescope-controlling application, please view our repository:

<http://github.com/RedTeamCOSC470/Controller-Application>

To view the release for the Stargazer documentation, please view our repository:

<http://github.com/RedTeamCOSC470/Documentation>

Steps on environment set up and configuration to run the Stargazer system can be viewed in the developer’s guide.

#### Web Application Features:

The following development for the web application was completed this iteration:

* Searching: a search feature was added to the users listing as well as the schedule log so as to filter results.
* Calendars: JavaScript calendars have been added to make the web application more user friendly.
* Duration Validation: durations can no longer overlap. Validations are in place so that no schedule that is being created can occur at the same time as other schedules in order to negate any time conflicts.
* Pagination: pagination was added to the schedule log and users listing.
* Parking: the design for the web application controller has been refactored and a JavaScript confirm dialog box has been included.
* Celestial Library: is now integrated with the web application. In the schedule form, a celestial object can be selected from the library using an AJAXified text field which has auto completion.
* Online Help: has been changed so that there is a main page which lists all help topics as links. The links can be clicked to display the page with more information about that topic.

#### Web Application Testing:

Testing information can be viewed in the Stargazer test plan document. A quick review will be placed here.

For development, the web system can be viewed at the following URL: <http://cis470star09f.okanagan.bc.ca>

To login with an account with admin privileges, go to use:

Username: admin

Password: stargazer09

To login with an account with regular user privileges, use:

Username: user

Password: test

Reminder: the telescope must be turned on before the jobs which control the telescope are scheduled to run.

Furthermore, in order to run the unit test suite for the web application, go to the root of the web application and then run the following command:

|  |
| --- |
| rake test:units |