**Red Team**

**Stargazer**

**Automatic Telescope Control System**

**User Stories**

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**Course:**

**COSC 471**

# ****User Stories****

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| --- | --- | --- | --- | --- |
| User Story | Order | Priority | Estimated  Duration | Actual Duration |
| No Unauthorized Access: The user must login in order to access the web system. There will be only one user account for the system to login. | 3 | Medium | 4 units | 6 units |
| First Visit: When the user first goes to the website URL, a login form is displayed. | 4 | Medium | 3 units | 23 units |
| After Logging In: A welcome page is displayed upon successful authentication. Any new objects or notifications are displayed here. | 11 | Low | 3 units | 11 units |
| Main Menu Items: The main menu is displayed across all pages on the website. It displays the options for: scheduling the telescope position (“Schedule Telescope”; reviewing past, present and future telescope schedules in a log (“Scheduling Logs”); and a section for online help (“Help”). | 9 | Low | 2 units | 4 units |
| Scheduling the Telescope: When the “Schedule Telescope” option is selected from the main menu, a form is displayed. It has values for entering a time and date, coordinates, duration, exposure and number of images. | 1 | High | 3 units | 18 units |
| Reviewing Telescope Schedules: When the “Scheduling Logs” option is selected from the main menu, the page displays a table of telescope scheduling entries with time, date and coordinates. | 6 | Medium | 6 units | 1 unit |
| Save Telescope Images: All images should be saved to the PC. | 7 | Medium | 10 units | - |
| Online Help: When the “Help” option is selected from the main menu, a list of features are displayed. The user selects a feature for the approriate guide for using it. | 5 | Medium | 8 units | 4 units |
| Telescope Communication: When a scheduling form has been filled out, the system communicates with the telescope to position itself and take images at the correct time and date. | 2 | High | 16 units | 28 units |
| Mobile Device Access: Users may be able to access the system with a mobile phone, but with limited functionality. | 10 | Low | 6 units | 8 units |
| Notify Operators of New Objects: Operators should be notified of new objects through an automated email sent by the web server. | 8 | Medium | 6 units | - |
| Celestial Libraries: When scheduling the telescope, operators may be able to select a library object rather than inputting the specific coordinates. | 12 | High | 8 units | - |