

# Progress Update

Project: *Scrape*

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Due Date: 11/1/2019

# Scrape

## Milestone 4

### Current Progress

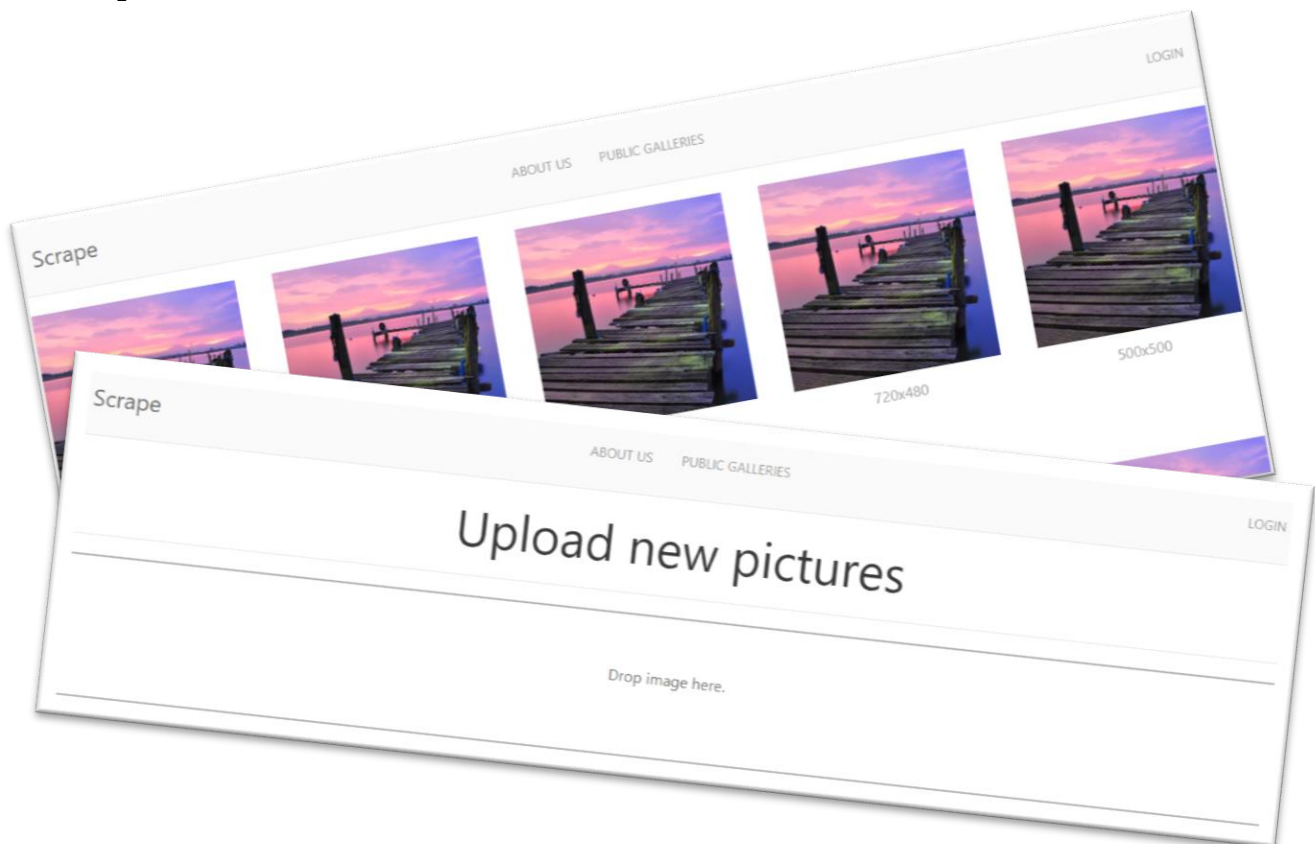
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#### Functional

- A decision to move Scrape from the Bootstrap design framework was made after the [UIKit 3](#) framework was found. So far, this seems to be working well without the amount of frustration Bootstrap often brought.
- An initial and VERY basic version of the main interface (top menu structure and initial CSS formatting) has been designed.
- Users can register & log into the site.
- The back-end database has been started, with a user table created along with several stored procedures.
- The [dropzone.js](#) library was used for an early prototype of drag-and-drop image uploading functionality.
- In order to manage image uploading, the backend was anointed with a generic controller.

#### Non-Functional

- Database security protection from SQL injection through use of SQL parameters.
- Cross-script attack protection through use of proper encoding of all textbox entries.
- Proper modular coding structure designed with the use of ASP.NET's Master Pages and User Components.



## Timeline Comparison

In comparison to the timeline, the project is slightly behind schedule. The backend design has been started, with a few stored procedures created, basic relationships involving foreign keys have been setup, and table creation for the Users table, Picture table, and the many-to-many foreign-key table to connect them. The frontend design has gone through several prototype iterations and is now in an acceptable state, which should allow for further features to be implemented.

Moving forward, it will be necessary to quickly finish up the picture storage logic in order to implement user galleries properly. This will require a focus on planning for future expansion – the storage mechanisms will need to provide for a naming scheme and location structure to keep the backend organized and modular. The creation of more stored procedures, additional backend logic, and a frontend design that is informative to what is actually happening with the uploads.

The gigapixel image viewer timeline has been delayed. Further research into potential libraries to handle the image chunking and compression will be necessary for this part to get done on time. The image viewer will likely be started as a separate project for ease of testing before incorporating it into the main Scrape project.

Scrape	start	end
<b>In-class Milestones</b>	<b>10/15/19</b>	<b>12/13/19</b>
Presentation I	10/15	10/15
Milestone 4 (Week 10)	10/31	10/31
Milestone 5 (Week 12)	11/14	11/14
Presentation II (Week 15)	12/03	12/03
Final Project Due	12/13	12/13
<b>Backend Design</b>	<b>10/15/19</b>	<b>11/04/19</b>
<b>Database</b>	<b>10/15/19</b>	<b>11/04/19</b>
SQL Procedures	10/15	11/04
Table Creation	10/15	11/04
Relationship setup	10/15	11/04
Test rows added	10/21	11/04
Image location structure	10/18	11/04
<b>Frontend</b>	<b>10/18/19</b>	<b>12/01/19</b>
<b>Front-page</b>	<b>10/18/19</b>	<b>12/01/19</b>
Main gallery	10/21	12/01
Login dialog	10/18	11/18
<b>Administrator</b>	<b>11/02/19</b>	<b>12/01/19</b>
Front-page gallery administration	11/02	12/01
<b>Accounts</b>	<b>10/26/19</b>	<b>12/01/19</b>
<b>Gigapixel Image Viewer</b>	<b>10/31/19</b>	<b>12/01/19</b>
Viewer logic	10/31	12/01
Image chunk streaming	10/31	12/01
Panning	10/31	12/01
Zooming	10/31	12/01
<b>Registration</b>	<b>10/26/19</b>	<b>11/19/19</b>
Validation	10/26	11/19
Database validation (Username)	10/26	11/19
Password reset	11/01	11/18
Confirmation e-mail	11/01	11/18
<b>Testing</b>	<b>11/03/19</b>	<b>12/13/19</b>
Front-end testing	11/06	12/13
Back-end testing	11/03	12/13