3 Specific Requirements

This section includes a list of the requirements of the NGage system. The requirements in this section comprise the main deliverable functions of the NGage application. Display and control schemes are described in detail.

3.1 Functional Requirements

3.1.1 Live feed

3.1.1.1 The live feed will be displayed on the main menu.

3.1.1.2 The live feed will refresh the page after 1 hour.

3.1.1.3 The live feed will integrate with social media.

3.1.2 Menu Driven GUI

3.1.2.1 Selecting “Tutoring Hours” will display hours and location sorted alphabetically by subject.

3.1.2.2 Selecting any of the subjects within the listing will display the hours and location of that tutoring resource.

3.1.2.3 Selecting “Houses and Apartments” will open the housing menu.

3.1.2.3.1 Selecting “On campus” will display a list of housing options offered by ODU.

3.1.2.3.2 Selecting “Off campus” will display a list of apartments and houses for rent in Norfolk.

3.1.2.3.3 Each Listing must include a title, address, cost, and contact information.

3.1.2.3.4 First hand student reviews will display under the listing.
3.1.2.3.5 A button labeled “lived here before? Write a review!” will display under the reviews section.

3.1.2.3.5.1 When the review button is clicked, a new contact form (3.1.2.5.1) will open.

3.1.2.3.5.2 The “House or apartment review” checkbox (3.1.2.5.1.1) will be checked by default when the user is first presented the contact form.

3.1.2.3.5.3 The text box will include the title of the listing by default when the user is first presented the contact form.

3.1.2.4 Selecting “Local Attractions” will open a map with color coded locations.

3.1.2.5 Selecting “Clubs and organizations” will open an alphabetical list of ODU clubs and other student organizations.

3.1.2.5.1 NGage will provide the ability for users to search the list.

3.1.2.5.2 Each listing will include a title and contact information.

3.1.2.5.3 Additional information provided by students may be included.

3.1.2.5.4 A button labeled “Do you have more information about a club or organization?” will display at the bottom.

3.1.2.5.4.1 When this button is clicked, a new contact form (3.1.2.5.1) will open.

3.1.2.5.4.2 The “Information for club or organization” checkbox (3.1.2.5.1.2) will be checked and the text box will include the name of the organization by default when the user is first presented the contact form.
3.1.2.6 The system must allow users to submit a contact form.

3.1.2.6.1 The Contact Form

3.1.2.6.1.1 The form will include a checkbox labeled “House or apartment review”.

3.1.2.6.1.1.1 The form will display the message “Please include the title of the listing you wish to review” when this check box is selected.

3.1.2.6.1.2 The form will include a checkbox labeled “Information for club or organization”.

3.1.2.6.1.2.1 The form will display the message “Please include the name of the club or organization for which you have additional information.” When this check box is selected.

3.1.2.6.1.3 The form will include a checkbox labeled “Report a bug”.

3.1.2.6.1.3.1 The form will display the message “Please explain the error which you encountered” when this check box is selected.

3.1.2.6.1.4 The form will include a checkbox labeled “Add me to the mailing list”.

3.1.2.6.1.4.1 The form will display the message “Please provide the email you would like updates sent to” when this checkbox is selected.
### Contact Form Check Boxes

<table>
<thead>
<tr>
<th>Check Box</th>
<th>Display Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>House or apartment review</td>
<td>Please include the title of the listing you wish to review.</td>
</tr>
<tr>
<td>Information for club or organization</td>
<td>Please include the name of the club or organization for which you have additional information.</td>
</tr>
<tr>
<td>Report a bug</td>
<td>Please explain the error which you encountered.</td>
</tr>
<tr>
<td>Add me to the mailing list</td>
<td>Please provide the email you would like updates sent to.</td>
</tr>
</tbody>
</table>

3.1.2.6.1.5 The form will capture user input through text field.

3.1.2.6.1.6 The form will include a submit button.

3.1.2.7 Selecting the “Help” button will display navigational assistants and other tips for operating the NGage web application.

### 3.2 Performance Requirements

3.2.1 The system will be available on any device that has web browser capabilities and live Internet connection.

3.2.2 The system will have a 99.9% uptime in each year (limited to 8.76 hours of downtime per year).

### 3.3 Security Requirements

3.3.1 The system will create complete database back-ups every 168 hours (weekly) and differential back-ups every 24 hours (daily)

3.3.1 The website will run antivirus software.