**Residential Living and University Housing Training Simulation Website**

Prepared by: Stephanie Canada

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Project Members:

Stephanie Canada – Project Owner

Rebecca Hedum – Scrum Master

Greg Fletcher

Sean O'Donnell

Jillian Pulicicchio

Thomas Soistmann Jr.

Project’s GitHub Site: <https://github.com/gnfletcher/Senior-Project.git>

Project’s Slack’s Workspace: [https://swangworkspace.slack.com](https://swangworkspace.slack.com/)

**Summary:**

This project proposes to create a website to assist Rowan Residential Learning and University Housing (RLUH) employees in executing the responsibilities of their job. The site will host both job specific functionality and training tools such as simulations of common RLUH incidents and paperwork. This tool would aim to simplify scheduling tasks, aid in the training of new employees, reinforce or update the knowledge of current employees and provide a platform that could be extended into other RLUH functions.

**Project Goals:**

The objectives of this project are to provide RLUH employees the following:

1. A common scheduling interface

2. Instructions on common RLUH forms

3. Communications platform between RLUH staff

4. Training environment for RLUH staff

**Product Features:**

* Security Login Page
* Sign Up Page
* Resident Assistant Main Page
* Resident Assistant Setting Page
* Resident Assistant Program Proposal Page
* Resident Assistant Program Scheduling Page
* Resident Assistant Duty Scheduling Page
* Resident Assistant Duty Switch Request Page
* Resident Assistant Confiscation Log
* Resident Assistant Incident Simulation Page
* Assistant Resident Director Information Page
* Assistant Resident Director Staff Program Progress Assistance
* Assistant Resident Director Confiscation Log Assistance
* Resident Director Main Page
* Resident Director Approve Staff Sign Up Request Page

**Project Feature Breakdown:**

***Security Login Page:*** This will be the default page for the site request. It will prompt the user to complete a form for their username and password and provide an option for “sign up”. If the user was approved by professional staff member or the Residential Director, they will be able to move on from the security log in page to sign up. Otherwise, sign up requests will be sent to the Residential Director.

***Sign Up Page****:* New RLUH employees will register their accounts on this page. If pre-approved, users will be able to input required data and personal information as part of their user profile.

***Resident Assistant Main Page:***This page will have a brief description of the Resident Assistants’ (RA’s) account. It will contain links to the RA’s Settings page, Resident Assistant Program Proposal Page, Resident Assistant Program Scheduling Page, Resident Assistant Duty Scheduling Page, Resident Assistant Duty Switch Request Page, and a Resident Assistant Incident Simulation Page.

***Resident Assistant Setting Page:*** This page will allow RA’s to manage their personal settings and information.

***Resident Assistant Program Proposal Page:*** This page will present a form for Resident Assistants to submit program proposals that mirrors the existing “Program Proposal” form that Resident Assistants currently submit to host a program. This form will provide feedback on submitted information.

***Resident Assistant Program Scheduling Page:*** This page will display a concurrent events schedule displaying all approved RA programs.

***Resident Assistant Duty Scheduling Page:*** This page will provide individual and group views of RA schedules. Individual schedules can be submitted and approved. Additionally, schedule changes including switches can be requested.

***Resident Assistant Duty Switch Request Page:*** Allows RA’s to submit and view schedule switch requests.

**Resident Assistant Confiscation Log Assistance:** This page will organize confiscation items in a log. It will ask the Resident Assistants for their full name, the item confiscated, the location of the confiscated (Building and Number), and the date of confiscation.

**Resident Assistant Incident Simulation Page(Stretch Goal):** This page will provide a training interface that presents simulated situations to gauge and inform RA responses and return suggestions based on those responses.

**Assistant Resident Director Pages:** Will provide all information available in the RA sections as well as higher functionality based on Residential Director needs and project findings.

**Assistants Resident Director Staff Program Progress Assistance:** From the Resident Assistance Program Proposals, this website will calculate the total money the resident assistant has spent, total points earned, total points remaining, the programs listed, and the types of events done. If the Assistant Resident Director has how much money each Resident Assistant spending limit, then the website will tell them how much they have left.

**Assistant Resident Director Confiscation Log Assistance:** This page will be generated from the RA’s Confiscation Log. However this page will look similar to an excel file where it has the RA’s Name, The Confiscated Item, the date of confiscation, and the location it was taken from (Building and Room Number).

**Resident Director Main Page:** This page will have a brief description of the Resident Director’s’ (RD’s) account. It will contain links to the Resident Director Approve Staff Sign Up Request Page.

**Resident Director Approve Staff Sign Up Request Page:** This page will have the name, email and building of every every request to log in. The Resident Director can approve or deny the request. Once the number of Resident Assistants and Assistant Resident Directors are acquired, there will be no more requests will appear.

**Resident Director Staff Setting:** This page allows the Resident Director to control the number of the Resident Assistants and the number of Assistant Resident Directors. The Resident Director can adjust this number at any given time.

**Limitations:**

Based on stakeholder needs and commitment, this project proposes to deliver both a training and production site but could be limited to simulating live functions based on stakeholder feedback. Progress of this project will be highly dependent on RLUH needs and input.

Technical limitation may be encountered depending on the design requirements and the development team’s current knowledge base. All efforts will be made in the design process to leverage known or common technologies to eliminate potential problems.

**Stretch Goals:**

After implementation of base goals, this project design can be extend to include the following:

* Forms database
* Form submission and approval platform
* Incident tracking
* User dashboard for quick processing of information
* Build AI engine for simulations