## Part 1 - The Scenario

My client, a content creator, desires a platform to communicate with her audience, primarily through text. As such, she should be able to easily create and disseminate her works. Additionally, she seeks a method for direct communication with her audience.

After consulting with her, I propose developing a web-based blog-like platform. This platform will provide her with complete control over the content and reliable messaging services, with the ability to manually edit messages and create backups. Due to building such an application from scratch, her control over the content is absolute.

The platform will incorporate features that facilitate direct communication between my client and her audience. This would be accomplished by a contact form, allowing the users to input what they want to convey. In addition, every post will have ‘comment’ capability, allowing users to directly interact with her content.

Current blogging platforms, such as Google Sites, are insufficient for the level of control my client desires. In particular, she wants to be able to control every aspect of the site and allow users to interact with each other, not just her. This also allows the blog to be more flexible and sustainable, easily changing according to what she wants.

## Part 2 - Rationale for Solution

The proposed web-based platform will effectively address my client's needs by providing a method for storing and managing all content types and allowing the content to be viewable from almost any device. The World Wide Web is a staple of modern life, and one that many people are familiar with. By hosting her app on the web, she can connect to a much bigger audience with more ease. Furthermore, the platform will offer my client extensive customization options, allowing her to tailor the appearance however she wants, in contrast to other applications which are more limited in their customization. This will ensure that she can appeal and connect with her audience however she chooses to.

Java is used for this project due to the inherent simplicity for the libraries. In addition to being able to host the server on any machine, the SpringBoot framework this application is built upon is both easy to implement and among the most flexible of methods to build a web application. Hosting files, receiving form information, and other implementable parts are easy to accomplish. Combined with Springboot's internal security and Java's wide database support, Java would be the perfect tool to create the required document. The object-oriented language makes structuring the application much easier.

## Part 3 - Success Criteria

- **Content accessibility:** Text can be displayed seamlessly and easily.
- **Content Control:** She has access to manually edit the content, including comments, however she wishes

- **Communication functionality:** A form will enable the users to contact her directly, as well as comment on the posts
- **Compatibility:** The website will be fully compatible with most modern devices
- **Ease of Use:** This should be useable without any additional steps such as creating an account. To post a message, one should only need to navigate to the site and post the message
- **Further Content Pursual**: Any reader to the website should be able to navigate to any message, regardless of their starting point, without manually editing the URL
- **Data Retention**: Data must be persistent and retained across time