**Team Member Bio**

Christian Manangan is a computer science student interested in data science and software testing. Christian’s skills include C++, C#, Python, R, and Java. His prior projects included building and analyzing sequence similarity networks (SSNs) to study relationships in cancer gene sequences, and creating a Java-based financial application with an emphasis on testing frameworks like Mockito, Spring MVC, and Selenium. For this project, his responsibilities will include generating personalized PDF reports based on survey responses for the client’s lab team to review and provide feedback, as well as integrating working files into the PythonAnywhere web application.

**Alpha Prototype Demonstration**

**Summary of Prototype Demonstration**

During our prototype demonstration, we showed multiple iterations of the PDF report that survey participants would receive upon completion of the survey. These reports were created for the lab team of our client to examine and offer thorough feedback. The demonstration’s main goal was to point out improvements in the layout, graph designs, and information formatting. This iterative process allowed us to repeatedly refine the PDF report based on feedback from the client and their lab team. This process also allowed us to ensure the report aligned with the client’s specific requirements and expectations for functionality and presentation.

**Client Comments and Suggestions**

The lab team and client provided valuable feedback and suggestions. The points below provide a high-level overview of their feedback:

* Add page numbers and position them at the top after the title page
* Change the large gaps between words in the text to improve readability
* Indent the first lines of all paragraphs to more clearly demarcate paragraphs
* Center headers and ensure font style is consistent throughout the document
* Replace the “High Average” and “Low Average” y-axis descriptions on graphs with a single “Average” marker at 2.5
* Update the labels “BAS-D” to “BAS-Drive”, “BAS-FS” to “BAS-Fun Seeking, and “BAS-R” to “BAS-Reward” to improve clarity
* Adjust the width of bar graphs to span most of the page as well as center them
* Move the graph descriptions below the graphs except for the “Personal Goals and Standards” graphs, where the current side text placement remains appropriate
* To differentiate between zero scores and missing scores, add a marker labeled “Missing” on the x-axis before “0”
* Increase the font size of the x-axis descriptors for better visibility
* Use complete spellings of the ranking of values (EducLearning to Education/Learning)

**Design Modifications Based on Testing and Feedback**

Based on the client and lab team feedback, we plan to implement the following design changes:

* Reformatting of paragraphs and headers
* Adjusting graph size, labels, and descriptions
* Add a “Missing” marker on the x-axis
* Ensure consistent font size for key elements
* Refine the report generation function/process to address the spacing issues in the text

These changes are crucial in aligning with the client’s expectations of the prototype while also providing a clearer presentation and story of the data for survey participants. Further testing cycles and sprints will validate these changes, and additional feedback will be incorporated as necessary.