**Final Project Proposal**

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**Name:** Oligo Analyzer Tool

**Description:**

Users enter the oligo sequence on the web page, then Oligo Analyzer Tool will provide primer analysis values for PCR:

* Base count
* Length (base pairs)
* Primer melting temperature Tm (°C)
* GC content %
* Reverse complement (5' -> 3')

**Technical requirements:**

* Python CGI programming: do all the oligo analysis.
* CGI and HTML templates: pass the analysis results to the HTML templates.
* HTML5 document markup: pass the users’ input to CGI and display the output on the web page.
* Limited page styling with CSS: make the output more pretty.