Checklist for Assignment 1

1 Basics

1. Is the front page as specified?
2. Is there a table of contents?
3. Does every section/subsection have a meaningful title?
4. Are there any references which are broken?
5. Is there anything missing: figures, tables, codes?
6. Does every figure and table have a meaningful caption?
7. Does every figure have meaningful labels?
8. Does the report contain the entire source code?
9. Is the source code `MATLAB` compatible?
10. Does the source code adhere to the class standard? Specifically:
    (a) Does every function have a meaningful name and a short description
    (b) Complete call sequence
    (c) Complete input and output description
    (d) Named minimal working example
    (e) Author name(s) and contact info
    (f) A brief revision history
    (g) Inline comments provide good explanation of every nontrivial step

2 Intermediate

1. Is there an introduction which explains the purpose of the report?
2. Can the report be read and understood by somebody who has not read the specification?
3. Is it easy to locate the answer to each question?

3 Advanced

1. Is it clear to the reader why we so carefully collect information about the polynomials T_n?

2. Does the report distinguish clearly between the residual, i.e., the computed value of $y = T_n(x)$ and the error $r - x$, where r is the relevant root?

3. Is is clearly explained why maintaining a bracket around a root is crucial when computing the relative error?

4. Is it clearly explained when and why the exact value of $y = T_n(x)$ has the same sign as the computed value $\hat{y}$?

5. Is there a conclusion summarizing the lessons learned during the production of the report?