# Design Alternative Analysis Template

Create a separate document following this format for each of your 3 chosen design problems

State the problem you team is facing (one paragraph)

Summarize the available alternatives

* Alternative 1
* Alternative 2
* …
* Alternative n

For each alternative

* Describe the design
* Include pseudocode, flowcharts, UX mockups, and/or UML diagrams as necessary
* Be sure to include enough supporting material to demonstrate that the team has fully thought through the possible design—pictures always help
* List the Pros and Cons

Pros

* Advantage 1
* Advantage 2
* …
* Advantage n

Cons

* Disadvantage 1
* Disadvantage 2
* …
* Disadvantage n

Choose an alternative to implement in your group project

Justify your choice in a paragraph the weighs the advantages and disadvantages of the possible alternatives against each other

At the end of your project be sure to include reflection in your final report of whether the chosen alternative was a good choice