# Brainstorming Template

This template can be used for many topics to assist in brainstorming a solution to a project. It is not meant to be limiting, but to provide a starting point for your design topic considerations. You can fill this chart out for as many topics as necessary.

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| **Topic #1: <Making OMDB predictions>** |
| Using the OMDB extract API and use the API to create a database for movie posters and based on those posters predict the movie genre or earnings or which movie to recommend. |
| **Impact** |
| Helping movie watchers make easier decisions on which movie to watch next. |
| **Project Goals** |
| Can I predict movie earnings based on the poster?  Can I predict Genre of the movie based on the posters?  Am I able to able to make predictions to users based on the movie posters. |
| **Literature Review / Environmental Scan / Market Research** |
| <https://www.researchgate.net/publication/351311535_Movie_Recommendation_System_through_Movie_Poster_using_Deep_Learning_Technique>  <https://medium.com/hackernoon/metflix-how-to-recommend-movies-part-2-54d2b6cfed13>  <https://towardsdatascience.com/creating-a-movie-recommender-using-convolutional-neural-networks-be93e66464a7>  <https://ceur-ws.org/Vol-1247/recsys14_poster19.pdf> |
| **Datasets** |
| serviceurl **=** 'http://www.omdbapi.com/?'  <https://github.com/harisx91/Recommender_System_DAV_6300/blob/master/Content_Based_Recommender/Content_Based_Recommender.ipynb> |

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| **Design concepts** |
| <describe your design in a 3-5 sentences> |
| Conceptual architecture |
| * What services might be used in solving the problem or addressing the topic outlined? * What are the considerations for the database(s), the processing and server architecture, and any networking consideration you might have, and the presentation layer? * Feel free to copy and paste an image that reflects a similar architecture and provide a citation |
| Analytical Design |
| * Outline briefly some of the metrics that you want to design your solution to meet highlighted frequency of updates, necessary aggregations, and data sources to complete the design? * Who might be the audience for the analytical output? * How might you construct the analytical outputs and how might you display the results? |
| Data Exchange/Processing Framework |
| * How might you process the data to align with the needs of the solution? * What would the data flow look like? |
| **Additional Comments** |
| <use this space to outline any additional comments on design, uses, assumptions about the scope of the topic if pursued, etc. > |
| **References and Hyperlinks** |
| <use this space to provide relevant hyperlinks or citations to your topic> |