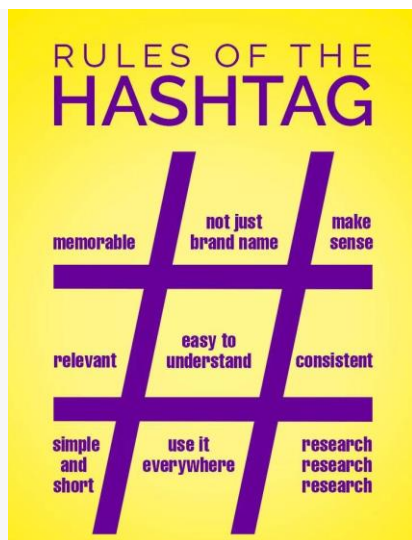


## Project Design Phase-2

### Requirement Analysis (Functional, Operational, Technical) /

#### Flow Charts

Requirement analysis is a crucial step in the development of any project, including one related to hashtag generation. It involves gathering, documenting, and evaluating the needs, constraints, and expectations of the project stakeholders to ensure that the project's goals are well-defined and that it will meet the desired outcomes. Here's a guide on how to conduct requirement analysis for your hashtag generation project:



1. Identify Stakeholders: Start by identifying all the stakeholders involved in your project. This could include social media managers, content creators, marketing teams, and potential users of the hashtag generation tool. Gather Input: Engage with stakeholders to collect their input and expectations. Hold meetings, interviews, or surveys to understand their needs and what they want from the hashtag generation tool.

2. Document Requirements: Document all the requirements in a structured manner. This can include both functional requirements (what the system should do) and non-functional requirements (how the system should perform). Requirements should be clear, concise, and unambiguous. Prioritize Requirements: Prioritize the requirements to determine their importance and relevance. Consider using techniques like MoSCoW (Must-haves, Should-haves, Could-haves, and Won't-haves) to categorize them.

3. Validate and Verify Requirements: Ensure that the requirements are realistic and achievable. Verify that they align with the project's goals and constraints. This may involve discussions and negotiations with stakeholders.

Identify Dependencies: Understand any dependencies between requirements. Some requirements may be interrelated or have a sequence of implementation.

4. Address Conflicts: In case of conflicting requirements or constraints, work with stakeholders to find compromises or alternatives that satisfy all parties.

Define Acceptance Criteria: Specify the criteria for each requirement that will be used to determine when it's successfully met. This helps in testing and quality assurance.

5. Involve Technical Experts: If your hashtag generation tool involves technical components such as machine learning algorithms, involve experts who can validate the technical feasibility of the requirements.

6. Document Changes: Be prepared for changes as the project progresses. Implement a process for documenting and managing requirement changes while ensuring that they do not disrupt the project's timeline and budget.

7. Review and Approval: Review the requirements document with stakeholders to ensure consensus and obtain their approval. This document will serve as a foundation for the project's development and design.

8. Continuous Communication: Maintain ongoing communication with stakeholders throughout the project's lifecycle to address any evolving requirements or emerging needs.

Requirement analysis is an iterative process that should be revisited as the project progresses. Regularly review and update the requirements to ensure they remain aligned with the project's objectives. Effective requirement analysis is critical for a successful hashtag generation project that meets the needs of your target audience and stakeholders.

## CHOOSING A #

