

# Analysis Checklist: Scraper-Analyzer

- **Project Initiation:**
  - Define the initial stage: Identify the target website, data to be extracted, and the purpose of the project.
  - Resource planning: Allocate resources, namely, human, financial, and technical resources.
  - Preliminary project planning: Outline the initial steps for development.
  - Project calculation: Estimate effort, considering data volume, extraction complexity, and analysis requirements.
  - Establish the overall organization of the project and select an appropriate process model.
- **Problem Analysis/Business Process Analysis:**
  - Identify the current state of data on the target website.
  - Analyze the business processes involved in data extraction and storage.
  - Consider existing communication difficulties and potential challenges in understanding website structures.
- **Target:**
  - Envision the future state of the project and define the desired outcomes.
  - Develop a vision sketch: Create a concise description of the project's purpose and goals.
  - Give a short, intuitive name to the project for better understanding.
- **Market Analysis:**
  - Research the target market for data extraction and analysis tools.
  - Identify competitors in the field and understand their strengths and weaknesses.
  - Position the Scraper-Analyzer project in the market and define unique selling points.
- **Communication and Stakeholder Engagement:**
  - Identify potential stakeholders, including end-users and clients.
  - Mitigate communication difficulties: Ensure alignment between technical and non-technical stakeholders.
- **Feasibility Study & Risk Analysis:**
  - Assess the feasibility of the project, considering technical, financial, and operational aspects.
  - Identify potential risks in data extraction, storage, and analysis phases.
  - Devise strategies to minimize risks and ensure project success.
- **Quality Assurance:**
  - Define quality procedures for data extraction, processing, and visualization.
  - Establish guidelines for product reviews, code reviews, and testing.
  - Plan for continuous improvement and adherence to quality standards.
- **Technical Prototype:**
  - Create a technical prototype to validate data extraction methods.
  - Ensure the prototype addresses non-functional requirements like performance and scalability.
  - Gather feedback on the prototype to refine technical aspects.
- **User Interface Draft:**
  - Outline a preliminary draft of the graphical user interfaces for data visualization.
  - Consider usability and user experience factors in the design.
- **Glossary:**
  - Establish a glossary for technical terms used in the project.
  - Ensure consistency in language to avoid confusion.

- Use Cases and Processes:
  - Document specific use cases related to data extraction, storage, and analysis.
- System Interfaces:
  - Identify and document interfaces with external systems.