Problem statement 1

Team-Name: **G2 Innovators**
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Understanding the Problem:
The problem is centered around ensuring that all B2B software products become listed on G2 as soon as they become generally available (GA). The challenge lies in identifying products not yet listed on G2 proactively, particularly in regions where G2 has low visibility.

Our Approach to the problem:
1. Data Collection: We will **collect data** on new GA products from various sources such as **industry reports**, and tech news websites through **web scraping** technique.
2. API Integration: We will utilize the **G2 API to check the availability** of each identified product on G2 and filter products by name or domain using query parameters.
3. Comparison: We will then **compare the list of new GA products** with the products listed on G2 to identify any gaps.
4. Reporting: Finally we will generate a **report** containing a list **of products not yet listed on G2**, which could be saved in a database or a CSV file.

Below is the planned timeline for our project:
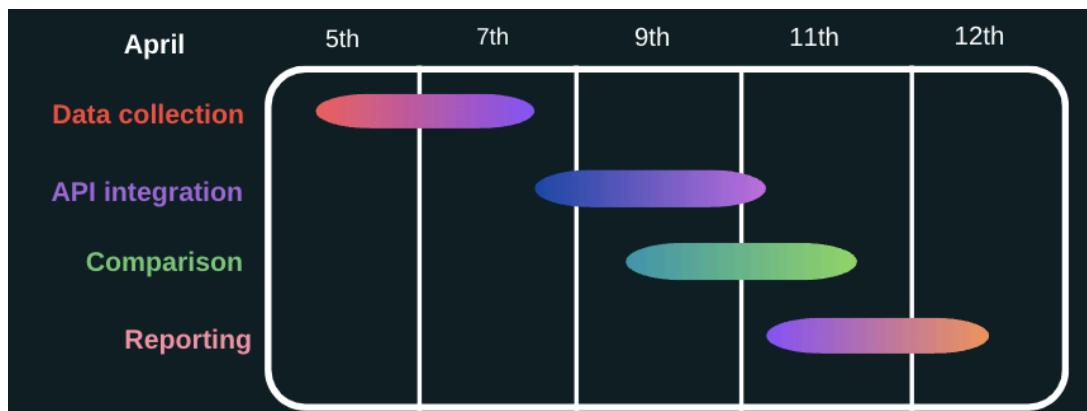
Tech Stack:
- Programming Language: **Python** for its ease of use in data collection, manipulation, and API integration.
- Web Scraping/Data Collection: **BeautifulSoup or Scrapy** for web scraping new GA products data.
- API Integration: **Requests library** for making HTTP requests to the **G2 API** endpoint.
- Data Storage: **SQLite or PostgreSQL** for storing collected data and comparison results.
- Reporting: **Pandas** for data manipulation and generation of reports in CSV format.