



COPERUSH 1.0

A National level 24 hr hackathon

Team Name : EtherByte

Team Leader Name : Prajyot Punde

Problem Statement : Research Paper Conference Management ToolKit (CMT) for AI-Generated and Plagiarized Content

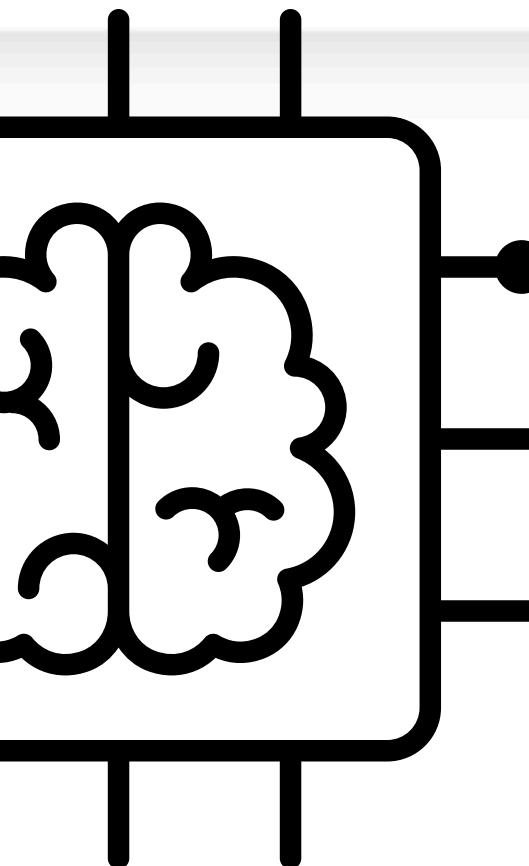
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Brief about the Idea:

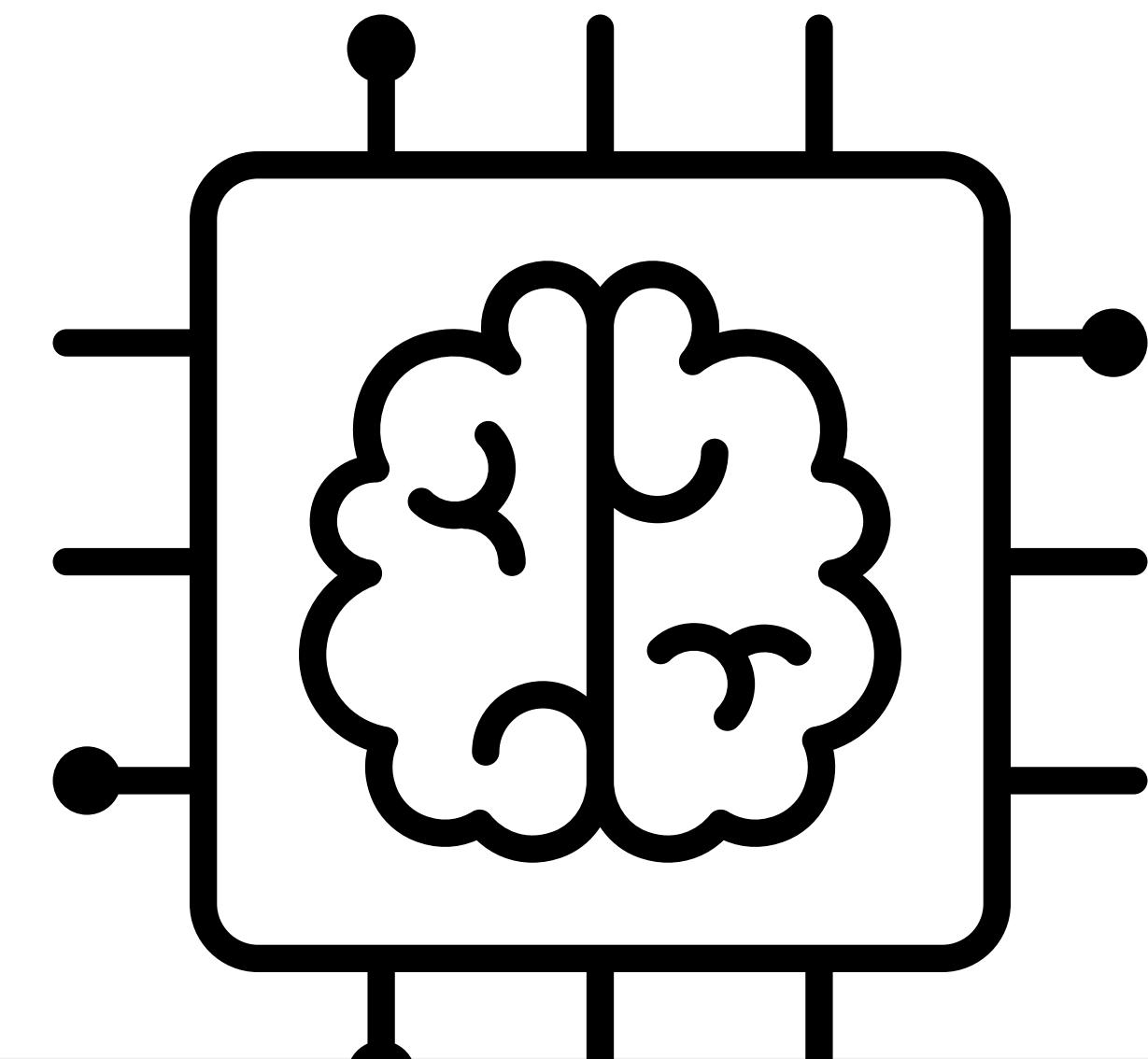
With the rise of AI writing tools like ChatGPT, the way plagiarism shows up in research papers has changed. Traditional tools such as Turnitin can only catch copy-paste plagiarism, but they struggle to detect AI-generated content that looks original. This means conferences now need updated systems to check, review, and manage research papers fairly.

Following points that should be done by a Modern Toolkit:

1. Smarter Paper Submissions- Combine AI-detection plagiarism checks, require authors to declare AI use, and request proof of originality
2. Automated & Organized Workflows- Manage Submissions, deadlines, reviewers assignments, and updates in one system while using plagiarism+AI detectors and matching papers to expert reviewers
3. Better Communication- Provide secure discussion forums for authors and reviewers. Enable realtime messaging with organizers to solve doubts quickly.
4. Transparency & Insights- Keep a record of all decisions and reviewer comments for fairness. Offer dashboards and reports on how many papers were submitted, flagged for AI/plagiarism, or accepted.
5. Security & Ethics- Protect author data and follow privacy rules (like GDPR). Control who can see what, keeping reviewers anonymous and papers safe.
6. Flexible & Connected- Integrate with systems like ORCID and Crossref for author verification. Allow customization depending on the field of research or the conference rules.

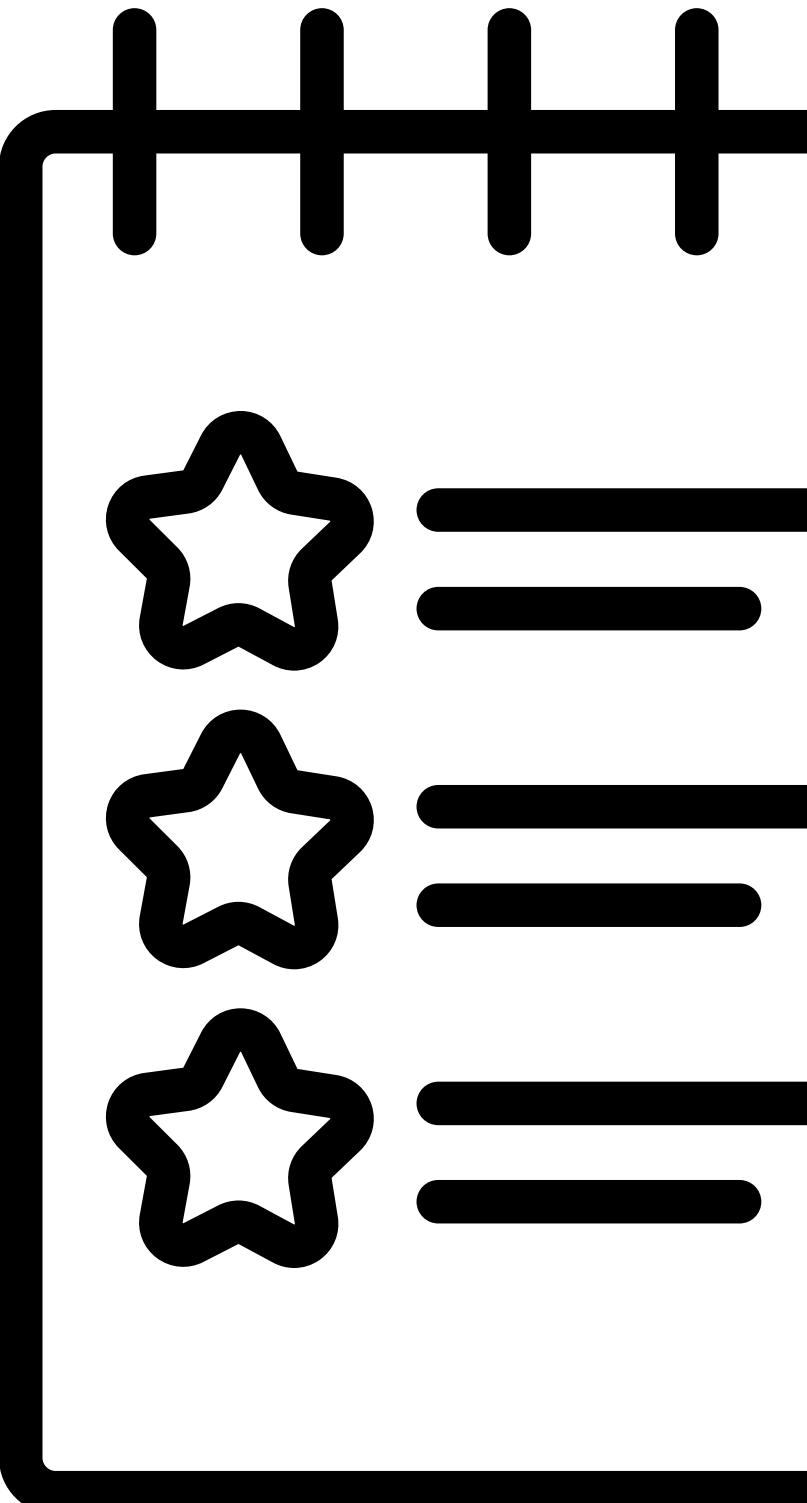


- Opportunity should be able to explain the following:
 - Enhancing academic integrity.
 - Saving educators time.
 - Supporting students learning.
 - Enabling fair grading.
 - Integration & workflow ease.
 - Encouraging responsible AI users.
 - Data driven sights.
 - Scalability and Accessibility.

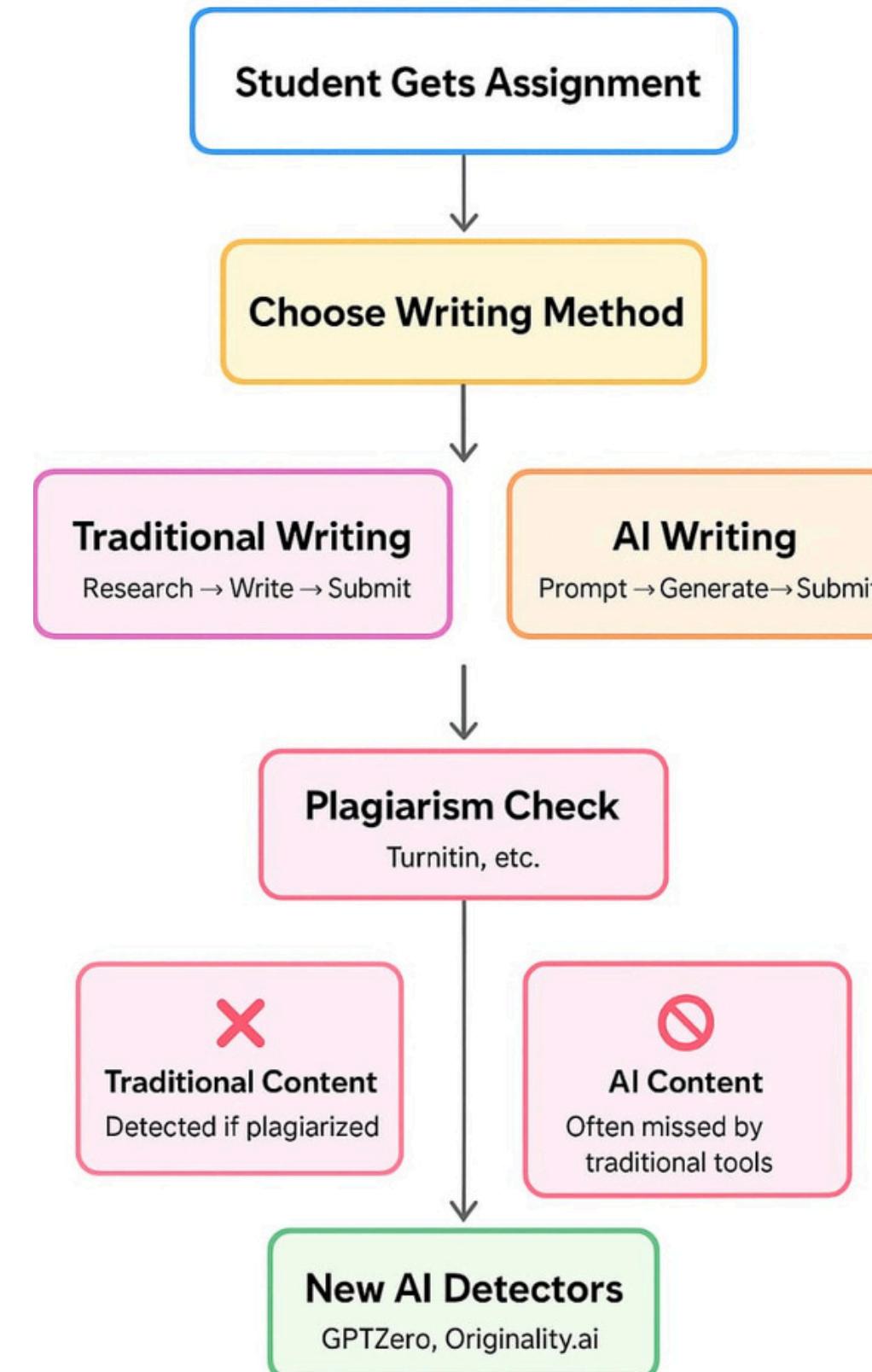


List of features offered by the solution

- High accuracy AI Detection
- Hybrid Detection logic
- Plagiarism & paraphrasing scan
- Detailed reporting
- Code plagiarism & Licensing checks
- Multi language support
- Integration & APIs
- Customizable Sensitivity
- Privacy & security
- Real time & bulk planning
- Written style analysis
- Highlighting & feedback



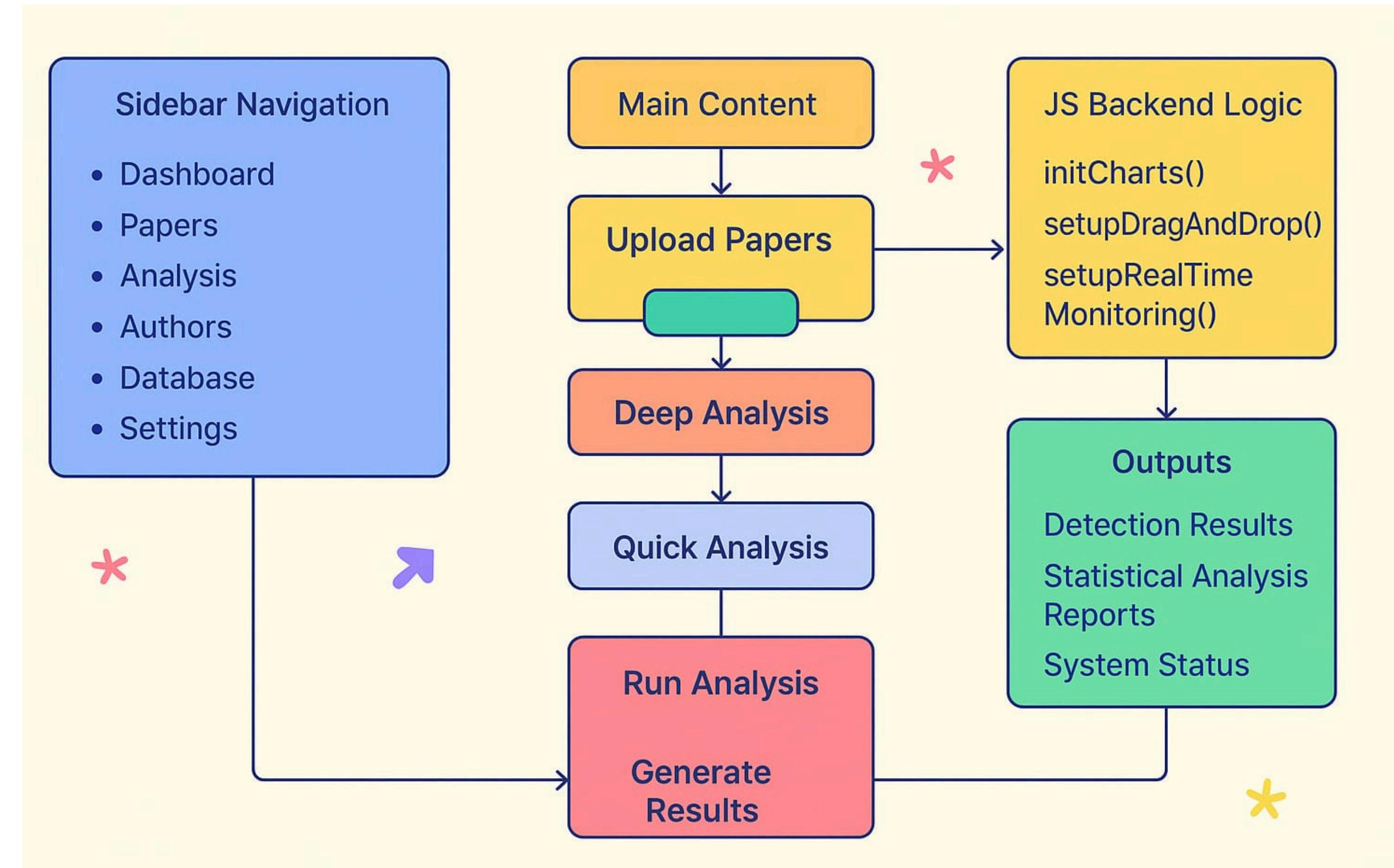
Process flow diagram or Use-case diagram



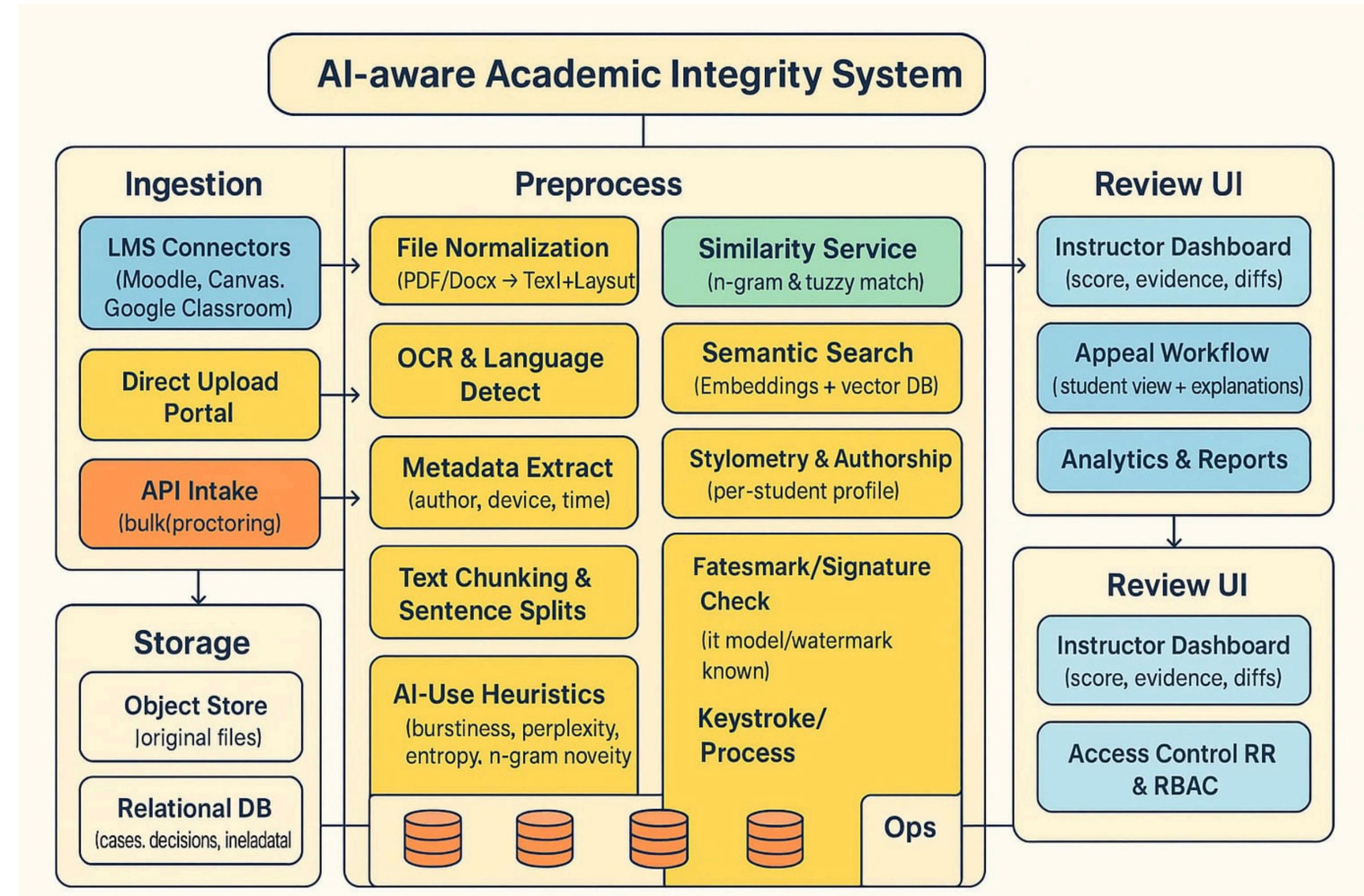
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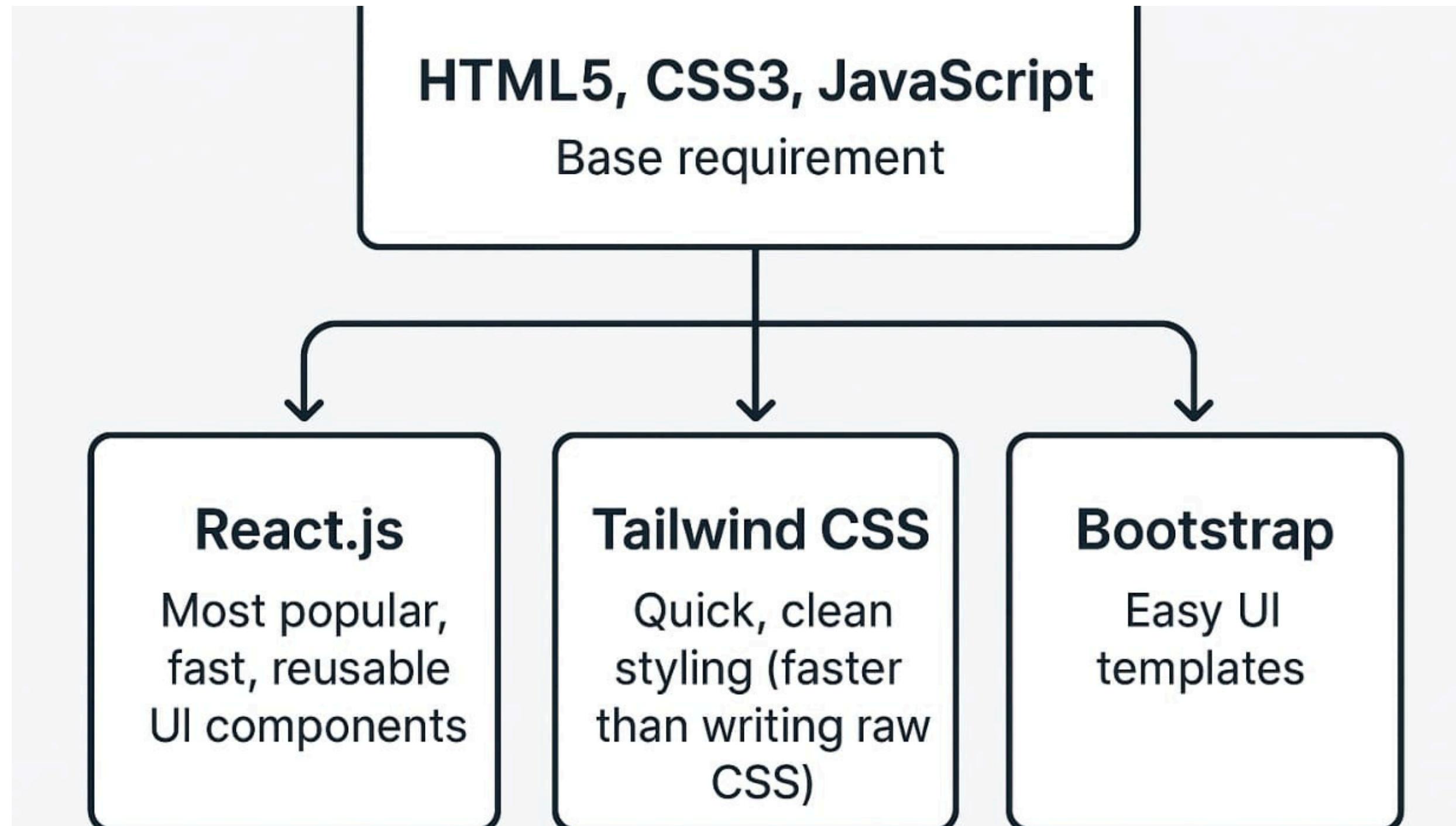
Wireframes/Mock diagrams of the proposed solution (optional)



Architecture diagram of the proposed solution



Technologies to be used in the solution:



Estimated implementation cost (optional):



Research Paper

LINK : 1. <https://www.researchexperts.in/turnitin-plagiarism-detection-benefits/>
<https://arxiv.org/pdf/2201.03423>

2. <https://arxiv.org/pdf/2201.03423>





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THANK YOU

RYAN MEINERDING