**REPORT – 09.06  
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**Overview**  
In this development iteration, we focused on refining both the front-end and back-end of the application. The main goals were to improve the user experience, address previously identified bugs, and enhance the interpretability of model outputs through SHAP values. Additionally, a new classification feature was introduced to provide a clearer overall decision.

**Current Status**  
The UI has been significantly improved and is now built using **React**, offering a more responsive and interactive experience. A dedicated **FastAPI** backend has been created to handle data processing, model execution, and communication with the front-end. This architecture improves modularity, performance, and maintainability.

The implementation of **SHAP values** has been reworked to provide more reliable and interpretable visualizations. A final **"Verdict"** label — *Relevant* or *Irrelevant* — has been added to clearly indicate the model's overall assessment of the input.

**Issues Encountered**  
While earlier bugs (such as the missing abstract display) have been addressed, a new issue has emerged: SHAP value visualizations are not displaying colors for entire words as intended. This affects interpretability, especially when analyzing which tokens the model considers most impactful.

**Planned Fixes and Improvements**  
In the upcoming update, we plan to:

* Fix the SHAP rendering bug to ensure consistent color highlighting across full words.
* Continue refining the front-end for clarity and performance.
* Validate the verdict logic across multiple examples and edge cases.

**Next Steps**  
The next development phase will involve:

* Debugging the SHAP color mapping issue.
* Adding support for batch processing or comparison across multiple inputs.
* Conducting internal testing to verify UI stability and model decision accuracy.

The project is steadily progressing toward a more polished, interpretable, and user-friendly tool.

**UI**

Obraz zawierający tekst, zrzut ekranu, Czcionka, numer

Zawartość wygenerowana przez AI może być niepoprawna. Obraz zawierający tekst, zrzut ekranu, Czcionka, dokument

Zawartość wygenerowana przez AI może być niepoprawna.