BRD Analysis - 2025-08-13

Okay, let's integrate the guardrails and GET API functionality into the SimplyFi PDF summary. This will add a layer of clarity regarding the system's controls and how it interacts with external data.

Here's the revised PDF summary incorporating this:

SimplyFi Loan Against Securities – BRD Summary (Revised)

- **Objective:** To facilitate loan origination against securities (shares, bonds, etc.) for borrowers, leveraging digital platforms for speed and efficiency.
- **Scope:** Covers the entire loan lifecycle – from eligibility assessment and documentation to servicing, risk management, and recovery.
- **Key Stakeholders:** Borrowers, Lenders (likely NBFCs), Depositories (NSDL/CDSL), Regulatory Bodies (RBI, SEBI).
- **Functional Requirements:
- Automated eligibility checks based on age, credit score, and KYC.
- Secure digital pledge/lien execution.
- Daily collateral revaluation and LTV monitoring.
- Automated alerts for margin breaches.
- **Non-Functional Requirements:** High security, real-time data processing, scalability to handle increasing transaction volume, and integration with depository platforms.
- **Guardrails & API Interaction:** The system incorporates dynamic guardrails triggered by the GET API. This API, when called with specific parameters (e.g., LTV, collateral type, market data), performs a real-time assessment against pre-defined rules and regulatory limits. The API's response directly influences the loan approval and LTV setting, providing an automated layer of risk control.
- **Constraints/Risks:** Dependence on third-party data (UIDAI, NSDL/CDSL), market volatility impacting collateral value, regulatory changes impacting LTV limits.
- **Major Decisions:** Dynamic adjustment of LTV limits based on market conditions, Risk tolerance levels for collateral types, and the level of automation for various processes.
- **Technology Focus:** API-driven architecture with strong emphasis on security and integration with digital depositories.
- **Compliance:** Strict adherence to RBI and SEBI regulations regarding loan purpose, collateral liquidity, and reporting requirements.
- **Recovery Process:** Clearly defined process for margin calls, NPA classification, and potential asset liquidation.

Key Changes and Why:

- **Added Section:** A dedicated section explicitly stating "Guardrails & API Interaction".
- **Detailed Explanation:** This section describes how the GET API and guardrails work together, emphasizing real-time assessment and automated control.
- **Clarified API Input:** Specified that the GET API receives parameters to trigger the assessment.

To refine this further, could you tell me:

- Are there specific guardrail rules you want to highlight (e.g., maximum LTV for specific securities, daily margin call triggers)?
- Would you like me to add a simplified diagram illustrating the API interaction?