Bug Report

Project: Deep Fake Detection

### Team: Starks

### Date: January 24, 2023

**Identified Bugs and Roadblocks:**

**1. API Error Handling:**

* Bug Description: The API endpoint for Deepfake detection returns an unprocessable entity error (422) when encountering integrating the AI and accepting the input from the user
* Severity: Easy-Medium
* Impact: The Video was not being processed and could not be used for the deepfake detection
* Planned Fix: Fixed the issue by changing the type object receiving in the backend.
* Assigned To: Sarath Chandra (Backend Developer)

**2. Frontend Rendering Issue:**

* Bug Description: Integrating of multiple UI together with the AI and backend
* Severity: Low
* Impact: The changes in AI code and displaying the functionality compromised the UI.
* Planned Fix: Debug React component rendering logic and recoded UI with complete integration of AI and backend intact (FastAPI and MongoDB)
* Assigned To: Shrish Kumar and Advaith Sajeev (UI/UX Designer)

**3. Model Performance Inconsistency:**

* Bug Description: Dependency clash, initially the aggregate function was build using TensorFlow, but it had clashes with the media pipe library with was used for media pre-processing.
* Severity: Hard
* Impact: we were unable to run the aggregate function
* Planned Fix: The whole aggregate model had to be rebuild using PyTorch
* Assigned To: B Mahesh Raj and Kishore Kuttalam (AI/ML Developer)