

| Sprint | Day | Impediments | Action Taken |
|---------|-------|--|--|
| Sprint1 | Day 1 | None | Analyzed project requirements and explored AST- based code parsing approach |
| Sprint1 | Day 2 | Difficulty understanding AST node traversal for Python code | Reviewed Python AST documentation and tested sample code parsing |
| Sprint1 | Day 3 | Handling unused imports and unreachable code detection | Implemented rule –based checks using AST and validated with sample programs |
| Sprint1 | Day 4 | PEP8 style violations not detected consistently | Integrated PEP8 guidelines and improved style- checking logic |
| Sprint1 | Day 5 | Difficulty in identifying a suitable mode If or code analysis and optimization tasks | Identified and integrated the Qwen model from Hugging Face for improved coding-related suggestions |
| | | | |
| | | | |
| | | | |