EXP6

BACKEND IMPLEMENTATION

Description: The backend is built using Spring Boot framework. Controllers handle REST APIs that communicate with the frontend via JSON responses.

Core Components: - Model classes define entities such as User and ClipboardEntry. - Repository interfaces extend JpaRepository for CRUD operations. - Service layer enforces business rules and validation.

Example Snippet: @RestController @RequestMapping("/api/clipboard") public class ClipboardController { @Autowired ClipboardService service;

@PostMapping("/add") public ResponseEntity add(@RequestBody ClipboardEntry entry) { service.saveEntry(entry); return ResponseEntity.ok("Added Successfully"); } }

Outcome: The backend forms the functional core of the system and enables seamless interaction with the database.