Example:

1. Create a Custom Exception Class
This class usually extends RuntimeException.
Example:
public class ResourceNotFoundException extends RuntimeException {
public ResourceNotFoundException(String message) {
super(message);
}
}
2. Throw the Custom Exception
Throw this exception wherever needed (controller/service layers).
Example:
if (employee == null) {
throw new ResourceNotFoundException("Employee not found with ID: " + id);
}
3. Handle it Globally Using @ControllerAdvice
Create a global exception handler to ensure centralized response.

```
@ControllerAdvice
public class GlobalExceptionHandler {
@ExceptionHandler(ResourceNotFoundException.class)
public ResponseEntity<String> handleResourceNotFound(ResourceNotFoundException ex) {
return new ResponseEntity<>(ex.getMessage(), HttpStatus.NOT_FOUND);
}
@ExceptionHandler(Exception.class)
public ResponseEntity<String> handleAllOtherExceptions(Exception ex) {
return
                       ResponseEntity<>("An
                                                   unexpected
                                                                                 occurred",
            new
                                                                     error
HttpStatus.INTERNAL_SERVER_ERROR);
}
}
Optional: Custom Error Response Object
-----
Create a custom DTO for structured error response.
public class ErrorResponse {
private String message;
private LocalDateTime timestamp;
// Constructors, Getters, Setters
}
```

Update the handler:

```
@ExceptionHandler(ResourceNotFoundException.class)
public ResponseEntity<ErrorResponse> handleResourceNotFound(ResourceNotFoundException
ex) {
ErrorResponse error = new ErrorResponse(ex.getMessage(), LocalDateTime.now());
return new ResponseEntity<>(error, HttpStatus.NOT_FOUND);
}
```