Validating the Request using @Valid annotation

Dependencies

<dependency>

<groupId>javax.validation</groupId>

<artifactId>validation-api</artifactId>

<version>2.0.1.Final</version>

</dependency>

<dependency>

<groupId>org.hibernate.validator</groupId>

<artifactId>hibernate-validator</artifactId>

<version>6.2.0.Final</version>

</dependency>

<dependency>

<groupId>org.glassfish</groupId>

<artifactId>javax.el</artifactId>

<version>3.0.0</version>

</dependency>

Entity Class

**import** javax.validation.constraints.NotNull;

**import** javax.validation.constraints.Size;

@Entity

@NoArgsConstructor

@AllArgsConstructor

@Setter

@Getter

@ToString

**public** **class** Student {

@Id

@GeneratedValue(strategy = GenerationType.***IDENTITY***)

**int** rno;

@NotNull(message = "Name cannot be null")

@Size(min = 2, max = 100, message = "Name should be between 2 and 100 characters")

String sname;

@NotNull(message = "Percentage cannot be null")

Double per;

}

Util Package – create a class APIError

@Getter

@Setter

**public** **class** APIError {

**private** String message;

**private** String field;

**private** Object rejectedValue;

**public** APIError(String message, String field, Object rejectedValue) {

**this**.message = message;

**this**.field = field;

**this**.rejectedValue = rejectedValue;

}

}

Controller

**import** org.springframework.http.HttpStatus;

**import** org.springframework.http.ResponseEntity;

**import** org.springframework.validation.BindingResult;

**import** org.springframework.validation.FieldError;

@PostMapping("/saveStudentRequestBody")

**public** ResponseEntity<?> saveStudentRequestBody(@RequestBody @Valid Student s1,

BindingResult bindingResult)

{

**if** (bindingResult.hasErrors())

{

List<APIError> errors = **new** ArrayList<>();

**for** (FieldError error : bindingResult.getFieldErrors())

{

APIError apiError = **new** APIError(error.getDefaultMessage(), error.getField(), error.getRejectedValue());

errors.add(apiError);

}

**return** **new** ResponseEntity<>(errors, HttpStatus.***BAD\_REQUEST***);

}

**return** **new** ResponseEntity<>(studservice.saveStudent(s1),HttpStatus.***CREATED***);

}

config package - create a class WebConfig

**import** org.springframework.context.annotation.Configuration;

**import** org.springframework.web.servlet.config.annotation.EnableWebMvc;

@Configuration

@EnableWebMvc

**public** **class** WebConfig {

}