HTTP Request in Spring Boot

Spring boot is a java based framework that simplifies the developemt of stand alone production ready application

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In Spring Boot http request are handles using four main annotations:

- @GetMapping
- @PostMapping
- @PutMapping
- @DeleteMapping

- **@GetMapping**

@GetMapping annotations is used for handling http Get Request.It use when retrieve resources from the server.

```
//get all books
@GetMapping("/books")
public List<Book> getBooks()
{
        return this.bookService.getAllBooks();
}
```

- **@PostMapping**

@PostMapping is used to handle HTTP Post request.It is used when creating new resources typically by submitting form data or sending JSON in request body.

```
//add new book
@PostMapping("/books")
public Book addBook(@RequestBody Book book)

{

    Book b=this.bookService.addBook(book);
    return b;
}
```

- **@PutMapping**

@PutMapping is used for handling HTTP put method.It is used to update an existing resources with new data.

```java
//update book
@PutMapping("/books/{bookId}")
public Book updateBook(@RequestBody Book book,@PathVariable("bookId") int bookId)
{
  this.bookService.updateBook(book,bookId);
  return book;
}
```

- **@DeleteMapping**

@DeleteMapping is used to handle HTTP delete request.It is used for deleting resources.

```java
//delete book
@DeleteMapping("/books/{bookId}")
public void deleteBook(@PathVariable("bookId") int bookId)
{
        this .bookService.deleteBook(bookId);
}
```