Pagination

**import** org.springframework.data.domain.Page;

**import** org.springframework.data.domain.PageRequest

Controller

@GetMapping("/getStudentsByPagination/{offset}/{pageSize}")

**public** Page<Student> getSortedStudents(@PathVariable("offset") **int** offset,@PathVariable("pageSize") **int** pageSize)

{

**return** studservice.getStudentsByPagination(offset, pageSize);

}

Service

**public** Page<Student> getStudentsByPagination(**int** offset,**int** pageSize) {

Page<Student> studentPage= studrepo.findAll(PageRequest.*of*(offset, pageSize));

**return** studentPage;

}

Postman

<http://localhost:8085/getStudentsByPagination/0/2>

offset 0 and limit 2 , offset is calculated as offset\*pagesize

<http://localhost:8085/getStudentsByPagination/1/2>

offset 2 and limit 2

Pagination and Sorting

Controller

@GetMapping("/getStudentsByPaginationAndSorting/{offset}/{pageSize}/{field}")

**public** Page<Student> getStudentsByPaginationAndSorting(@PathVariable("offset") **int** offset,@PathVariable("pageSize") **int** pageSize,@PathVariable("field") String field)

{

**return** studservice.getStudentsByPaginationAndSorting(offset, pageSize,field);

}

Service

**public** Page<Student> getStudentsByPaginationAndSorting(**int** offset,**int** pageSize,String field) {

Page<Student> studentPage= studrepo.findAll(PageRequest.*of*(offset, pageSize).withSort(Sort.*by*(Sort.Direction.***ASC***, field)));

**return** studentPage;

}

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<http://localhost:8085/getStudentsByPaginationAndSorting/0/3/per>