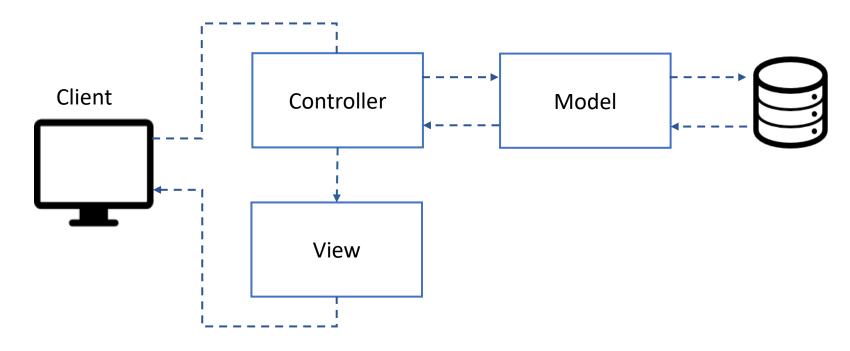
SPRING MVC & REST API

Model – View – Controller

MVC

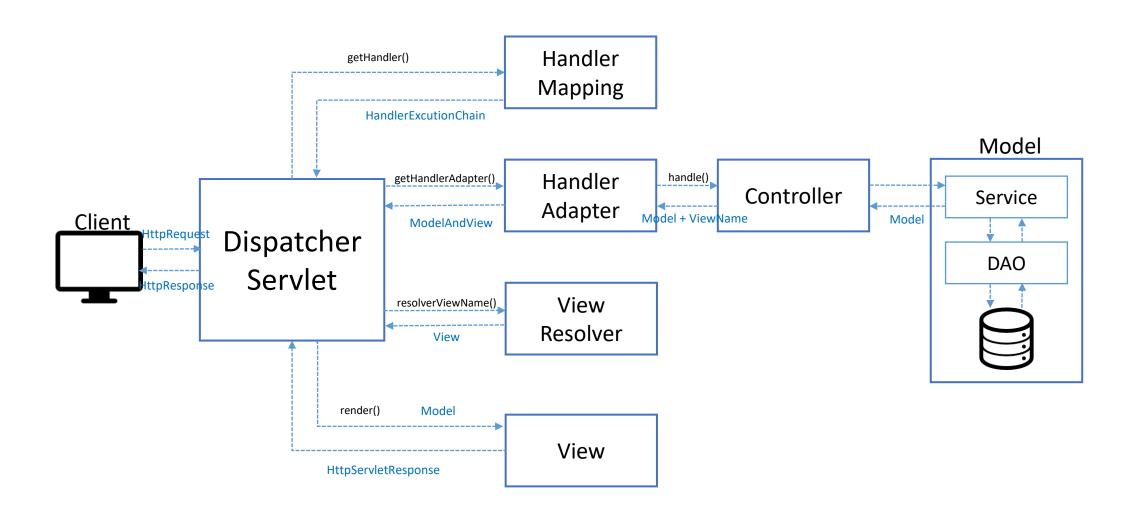
: 클라이언트의 요청처리와 응답처리, 비즈니스 로직 처리하는 부분을 모듈화시킨 구조.



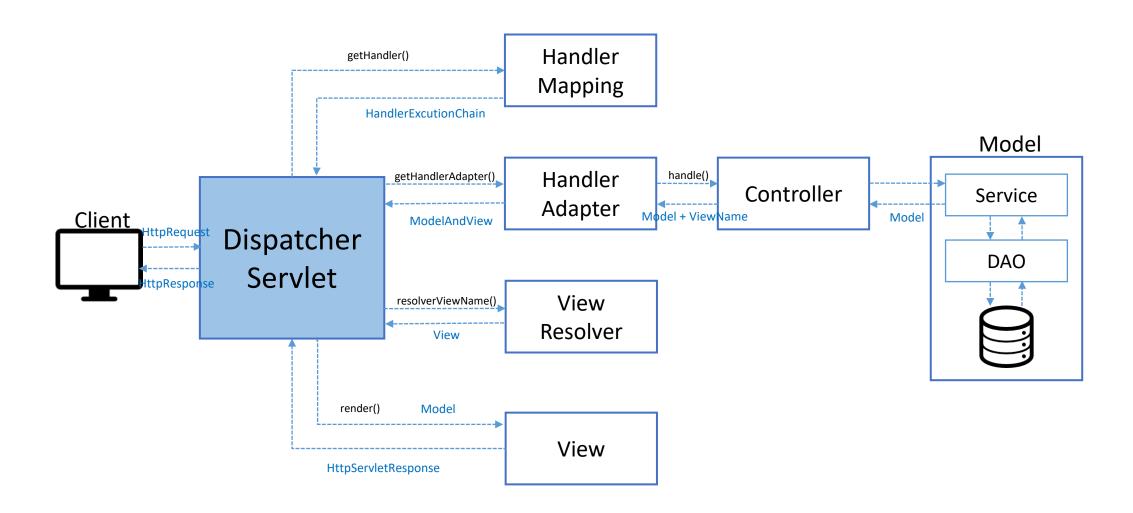
- 장점: 처리작업의 분리로 인해 유지보수와 확장이 용이하다.
- 단점: 구조 설계를 위한 시간이 많이 소요되므로 개발 기간이 증가한다.

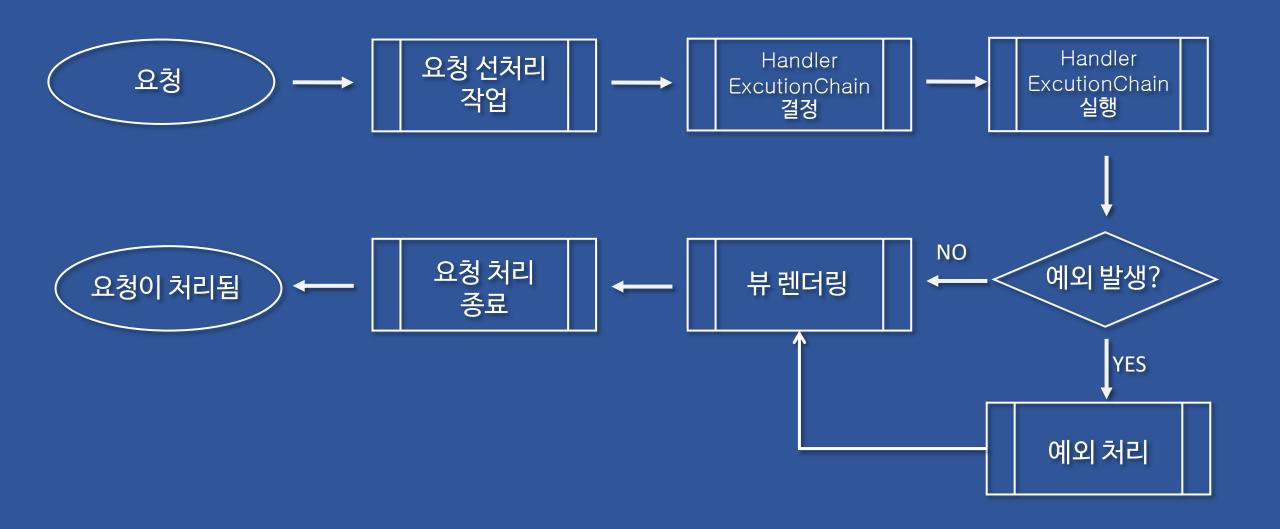


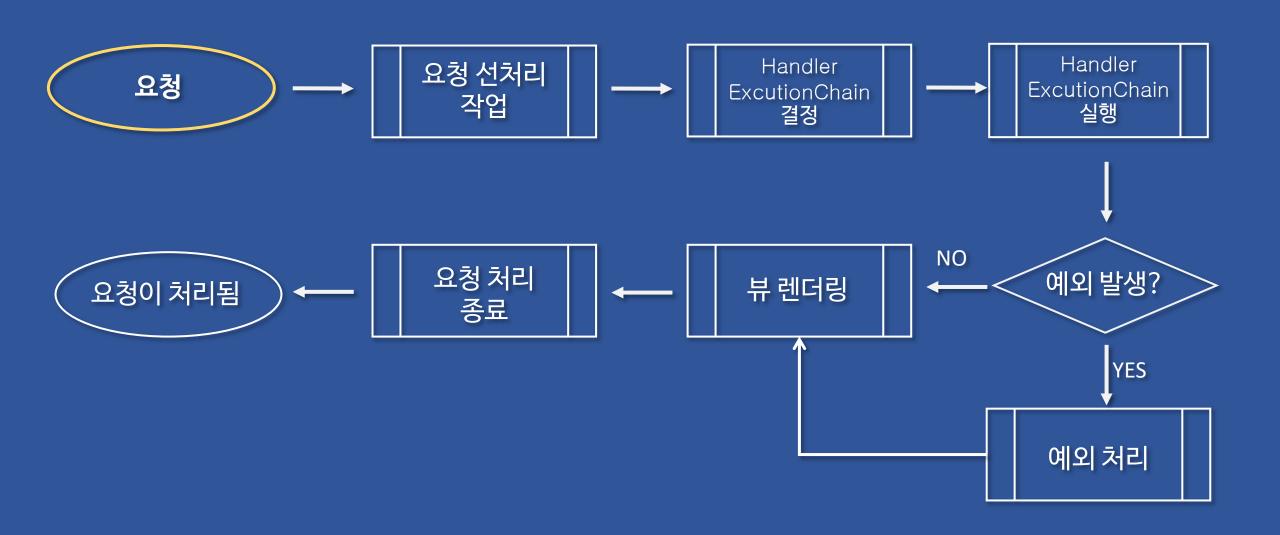
스프링 MVC 요청 처리 과정

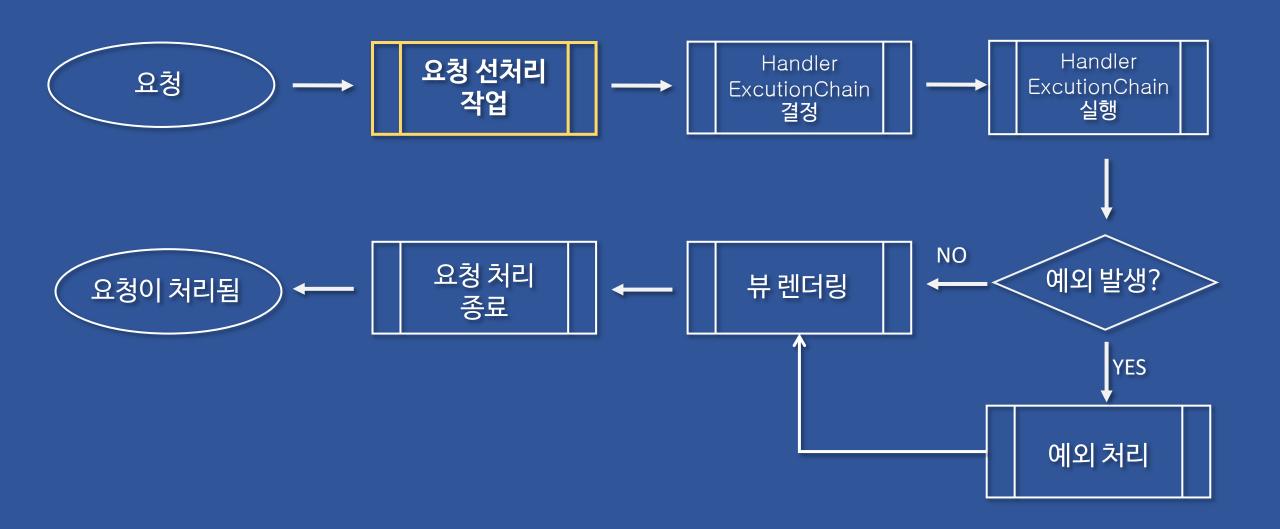


스프링 MVC 요청 처리 과정



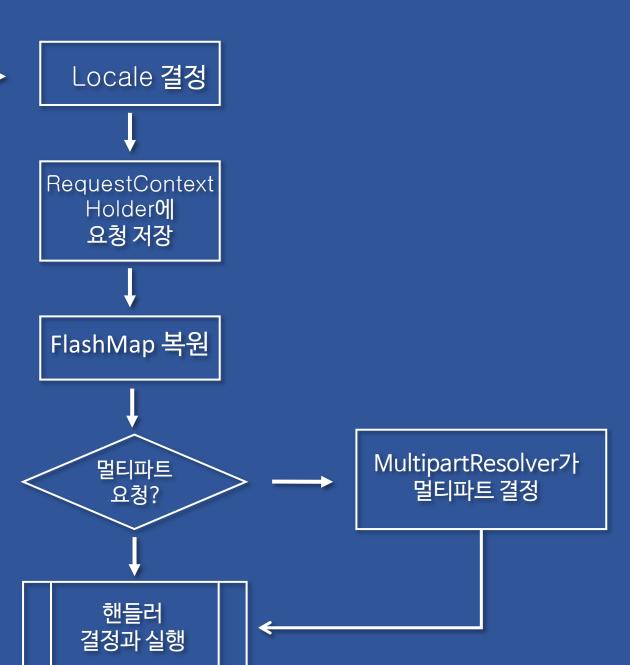


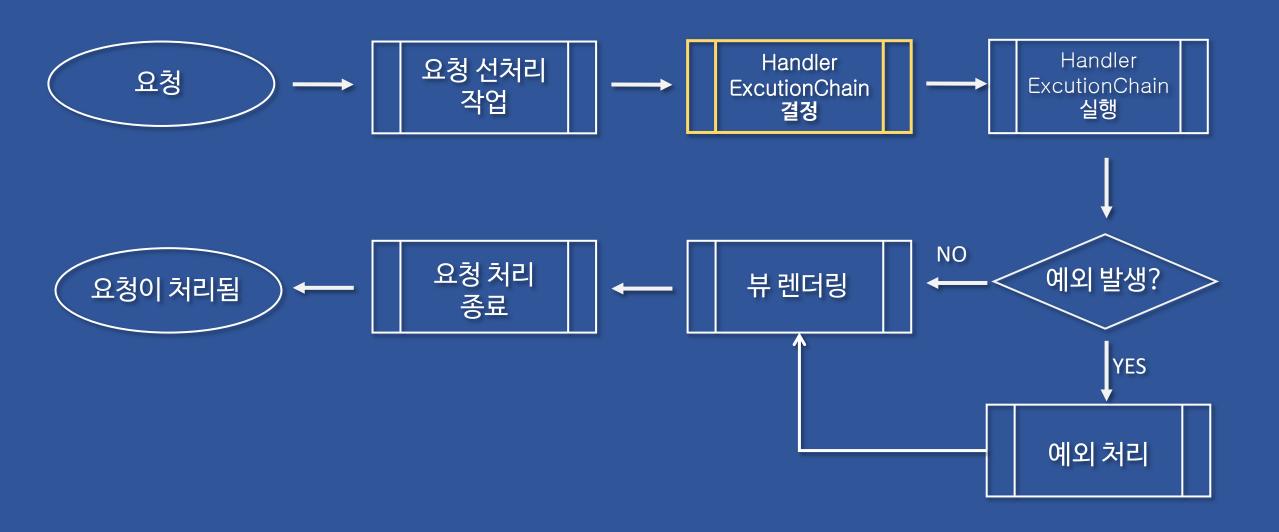


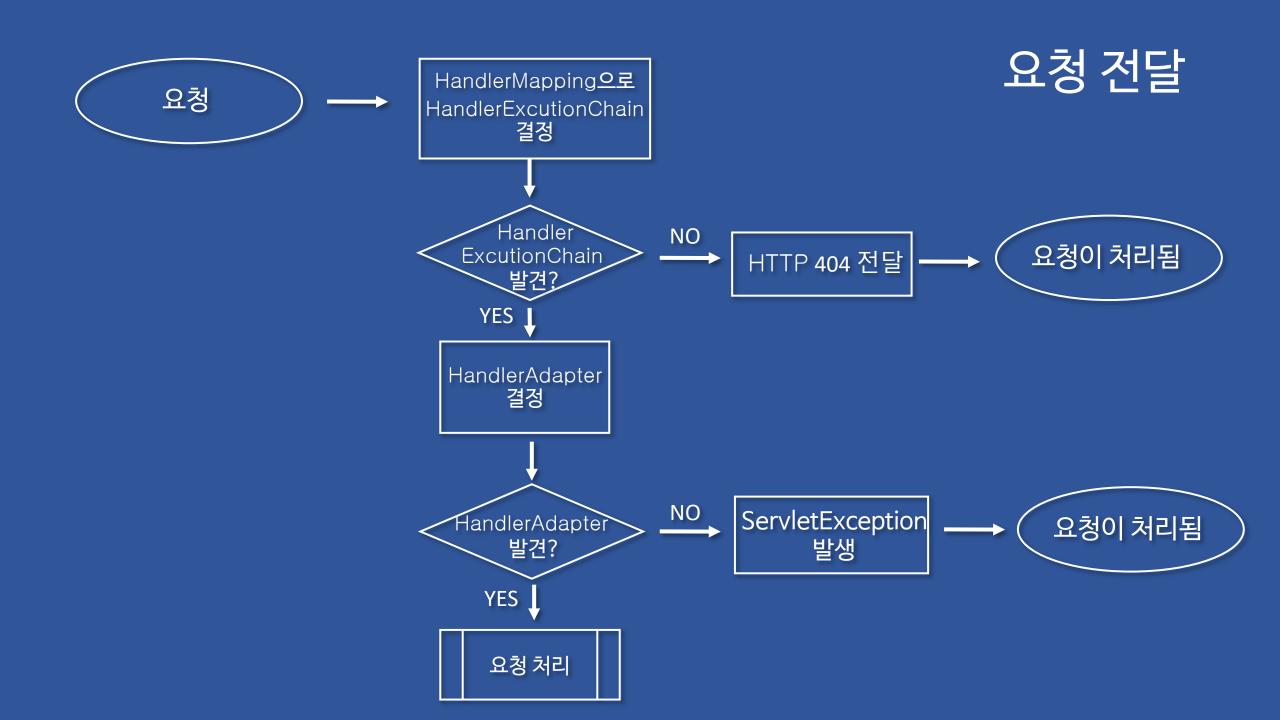


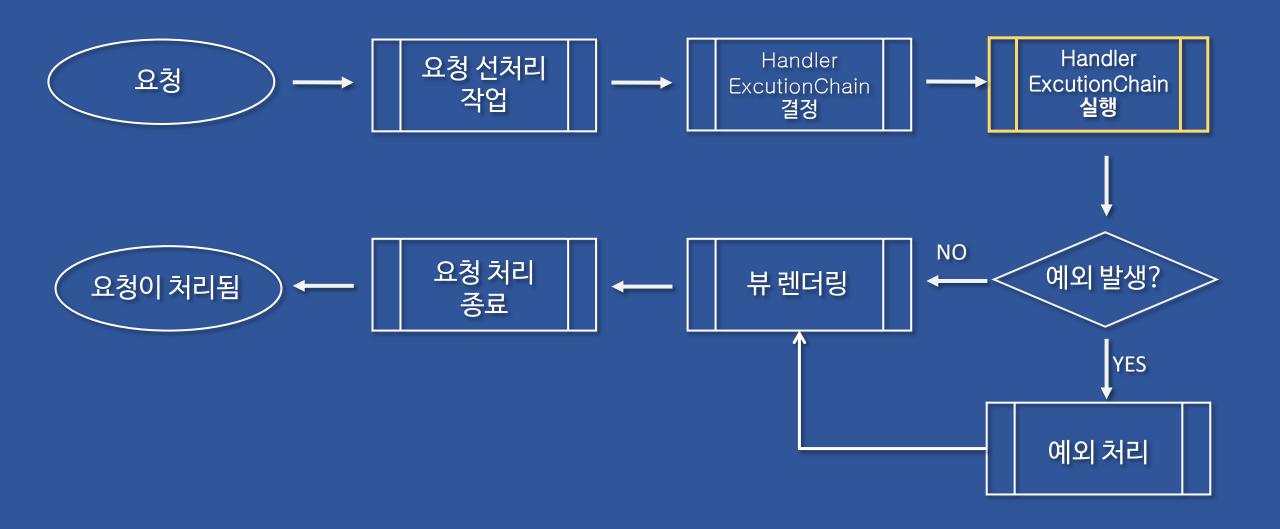
선처리 작업

요청

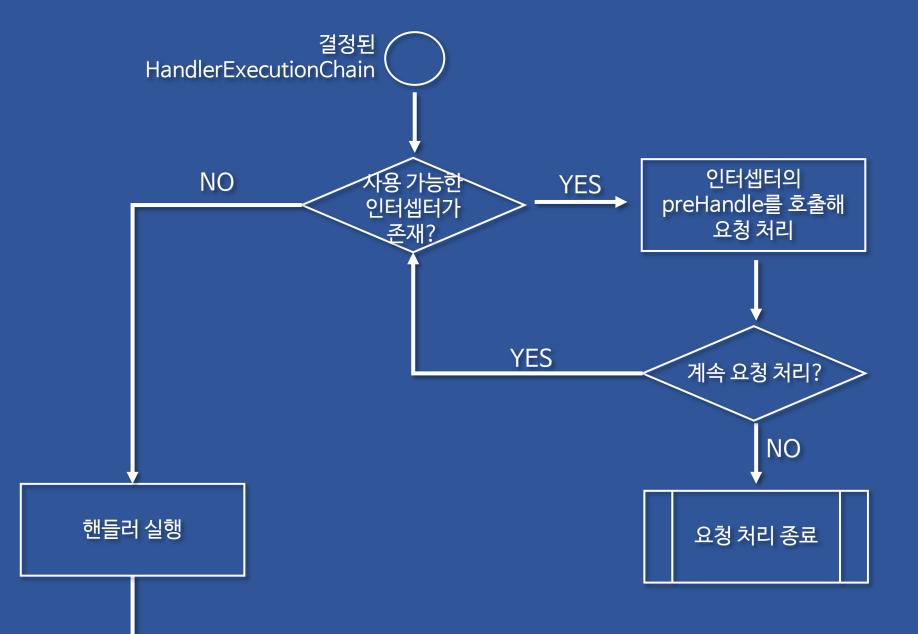


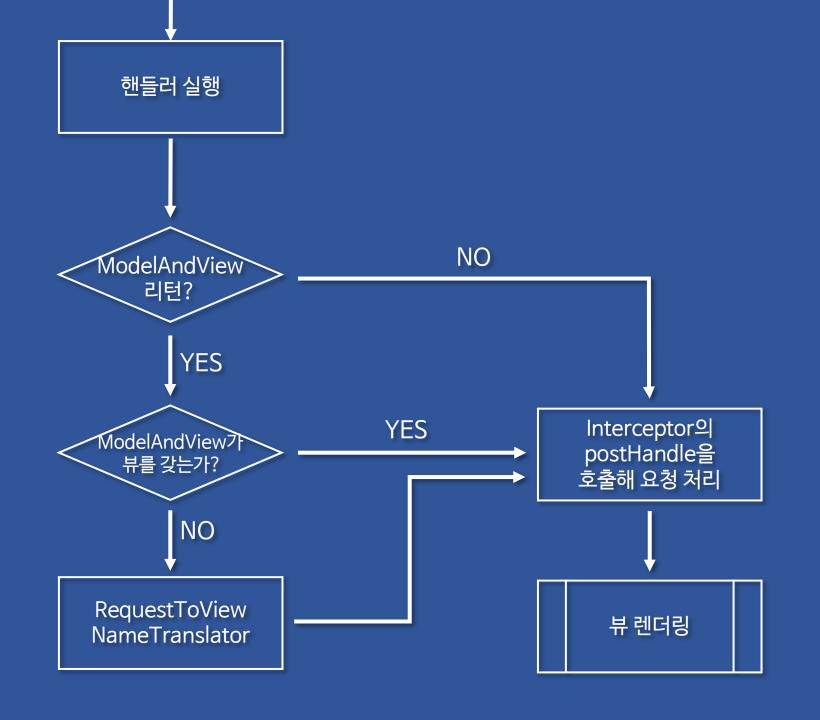


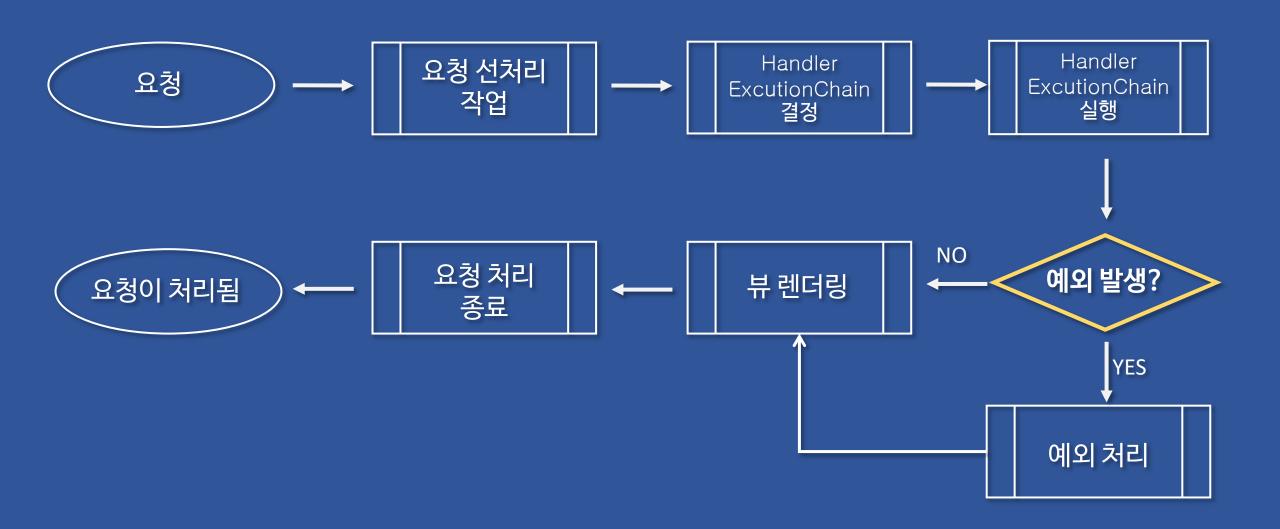


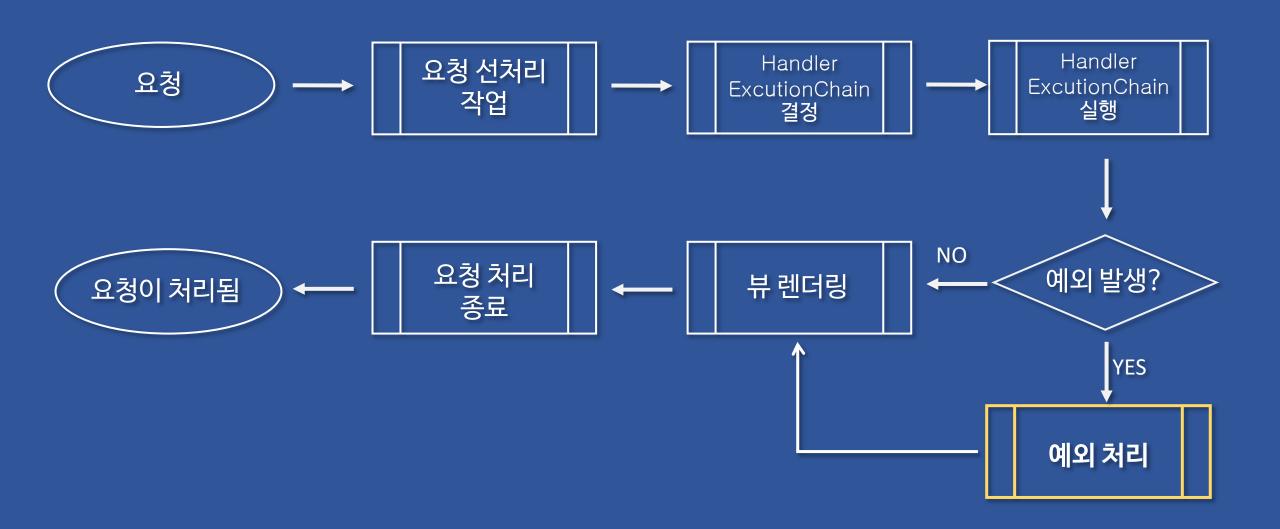


요청 처리

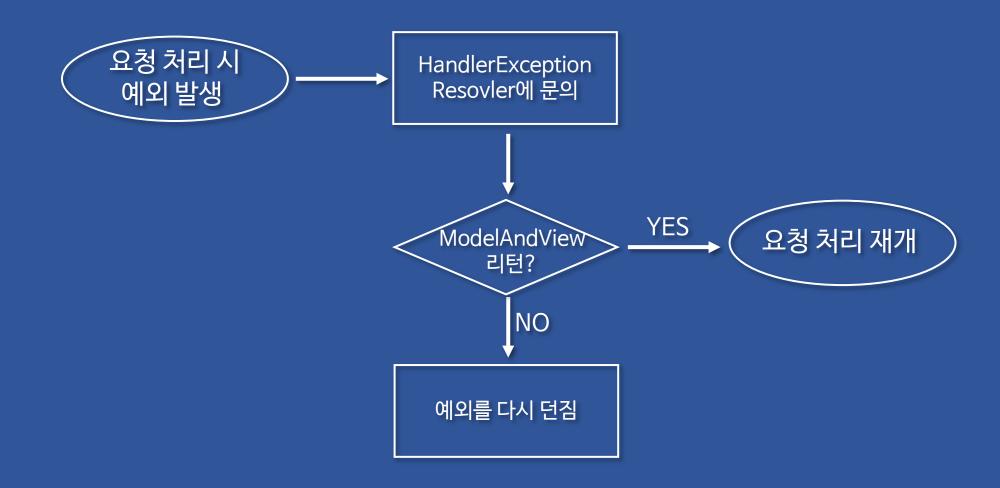


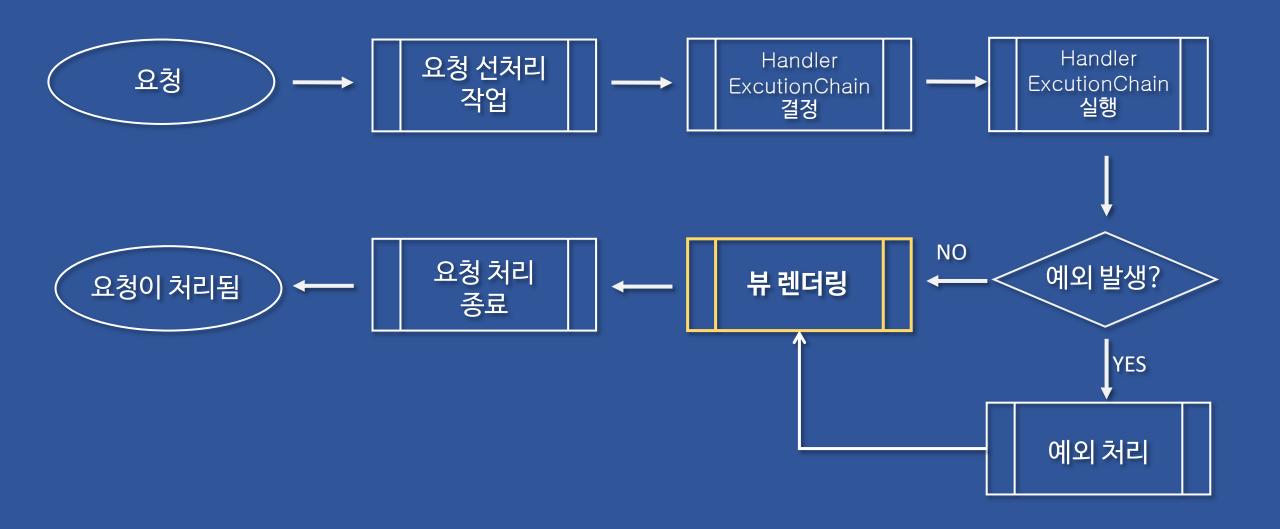




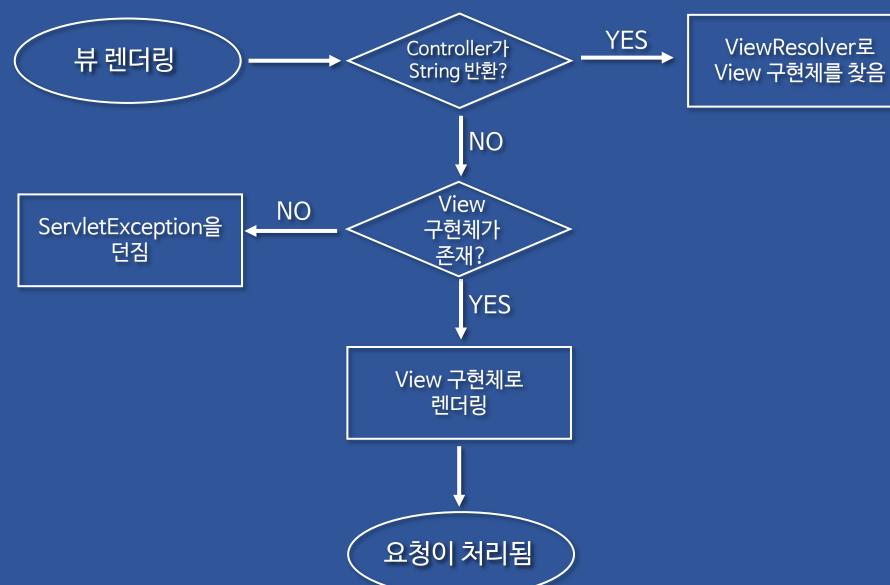


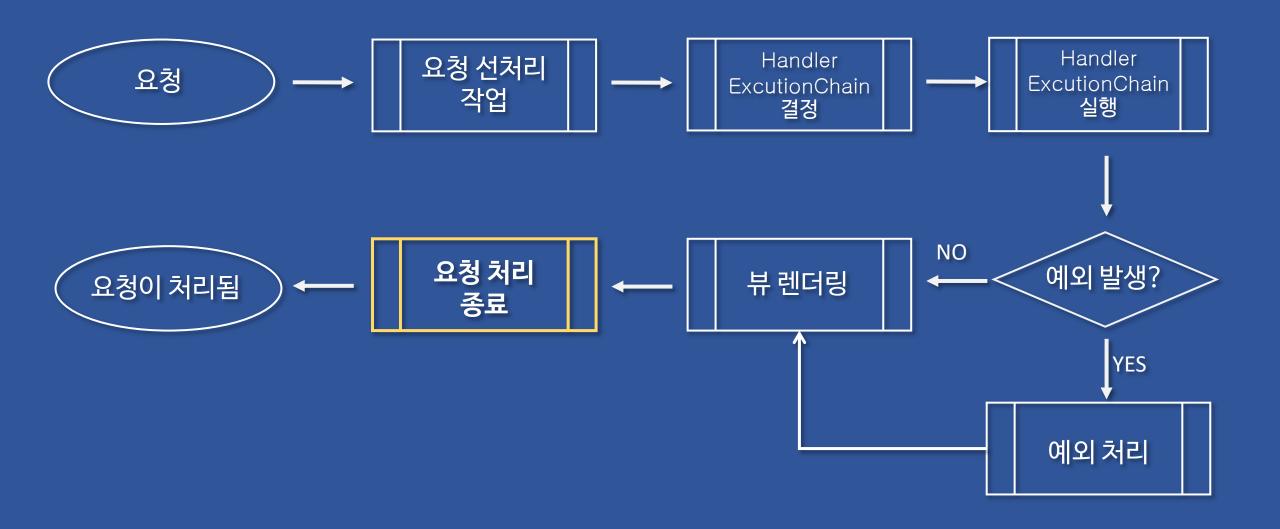
예외 처리

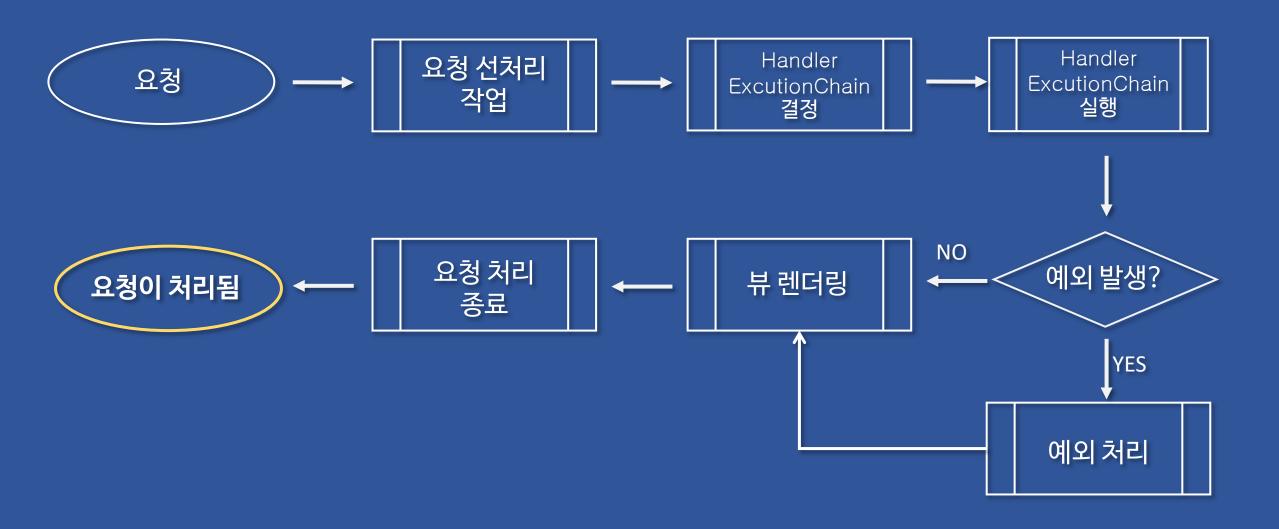




뷰 렌더링 과정







ServletContext

```
@Configuration
@EnableWebMvc
@PropertySource("classpath:/application.properties")
@ComponentScan (basePackages = {
        "dunkirk.reservation.controller",
        "dunkirk.reservation.api"
public class ServletContext extends WebMvcConfigurerAdapter {
    private String resourceHandler;
    private String resourceLocation;
    private String viewResolverPrefix;
    private String viewResolverSuffix;
    public void addResourceHandlers(ResourceHandlerRegistry registry) {
    public ViewResolver getViewResolver() {
    public void addInterceptors(InterceptorRegistry registry) {
    public void addArgumentResolvers(List<HandlerMethodArgumentResolver> argumentResolvers) {
```

@EnableWebMvc

ProductRestController

```
@RestController
@RequestMapping("/products")
public class ProductRestController {
    private ProductService productService;

    @Autowired
    public ProductRestController(ProductService productService) {
        super();
        this.productService = productService;
    }

    @GetMapping
    public List<ProductForMainDto> getList(@RequestParam int categoryId, @RequestParam int page) {
        return productService.getList(categoryId, page * 10);
    }
}
```

{ REST API }

REpresentational State Transfer API

REST API



REST API

REST의 6가지 특징



REST API 디자인 가이드

- URI는 자원을 표시
- 행위는 HTTP Method(GET, POST, PUT, DELETE 등)를 사용
 - GET /sports/soccer/players/delete/2 (X)
 - DELETE /sports/soccer/players/2 (O)

```
@RestController
@RequestMapping ("/comments")
public class CommentRestController {
    private static final int LIMIT 10 = 10;
   private CommentService commentService;
    @Autowired
    public CommentRestController(CommentService commentService) {
        this.commentService = commentService;
    @GetMapping("/{id:[\\d]+}/images")
   public List<Integer> getImageIdList(@PathVariable int id) {
        return commentService.getImageIdList(id);
    @GetMapping
   public List<CommentForDetailDto> getListByProductId(@RequestParam int productId, @RequestParam int page) {
        return commentService.getListByProduct(page, LIMIT 10, productId);
    @PostMapping
   public int add(@RequestBody Comment comment, @AuthUser User user) {
        if(comment != null) {
            comment.setUserId(user.getId());
            comment.setCreateDate(new Timestamp(System.currentTimeMillis()));
            return commentService.add(comment);
        } else {
            return -1;
    @GetMapping("/{id:[\\d]+}")
   public CommentForDetailDto getById(@PathVariable int id) {
        return commentService.getById(id);
    @DeleteMapping("/{id:[\\d]+}")
   public int deleteById(@PathVariable int id) {
        return commentService.deleteById(id);
```

```
@GetMapping("/{id:[\\d]+}/images")
public List<Integer> getImageIdList(@PathVariable int id) {
    return commentService.getImageIdList(id);
```

Ellewin Color and Law

Miller own red

Blackburg Lng

1 size [

Elle goal (Magg. Log (*/ comment. s*)

public class CommantSestController (

private static final int ADMY 18 = 15; private CommentBervice commentBervice;

BlintBlagging (*/ (i.d. (5/d)+)/images*)

if (comment IV smill) [

return -1;

Blis 1 Happing (*/15ds [1/d]+)*)

Blin Lat alliago Log (*/ (Ld: [\ \d] *) *).

public CommentEastController(CommentEastics to

this comment/service * comment/service;

public List (Integer) get Dage IdList (Efectifical) return commentPervice.getImageIdList(id);

public int additionpositionly Comment comment,

comment.setDeerId(user.getId());

public CommentPorDetailDto getByTd(EFactoTerial pattern comment/service.getSyt4(id);

public int deleteByEd(STathTerialis int id) [petura comment/service.deleteMyEdidid;

return comment/service.add(comment);

public List CommentPorDetailDto> getListEyProductld(HosporstFaran int productld, HosporstFaran int page) (

return commentPervice petListSyProduct(page, ADMIT 16, product(d);

```
@GetMapping("/{id:[\\d]+}")
                           public CommentForDetailDto getById(@PathVariable int id) {
                               return commentService.getById(id);
comment.setCreateDate(new Timestamp(Ny
                           @DeleteMapping("/{id:[\\d]+}")
                           public int deleteById(@PathVariable int id) {
                               return commentService.deleteById(id);
```

Q&A

감사합니다