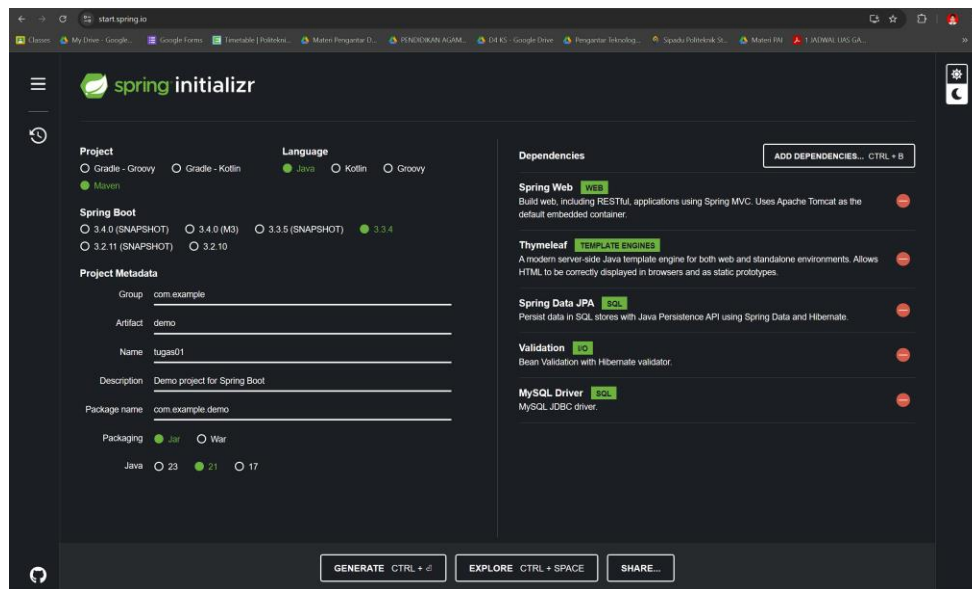


## Penugasan Praktikum 01 Pemrograman Platform Khusus

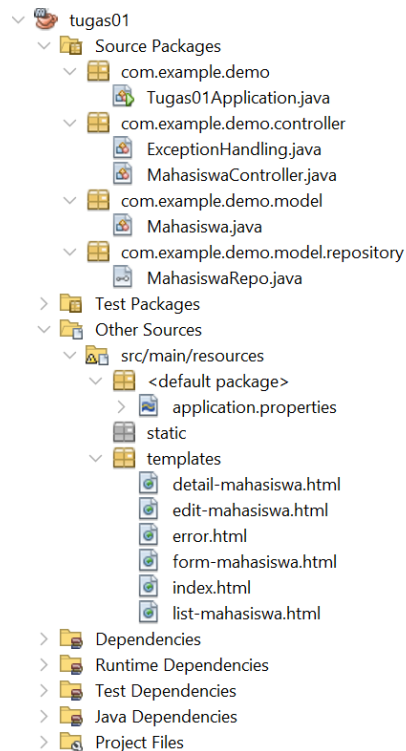
Muhammad Zacky Heta Warman\_222212775\_3SI1\_28

### 1.6 Penugasan

Instalasi dan penggunaan dependencies Spring MVC, Thymeleaf, MySQL, Spring JPA, dan Hibernate.



### MVC



## Model (Mahasiswa.java)

Pada model terdapat validasi agar pengisian data mahasiswa sesuai dengan yang diinginkan.

```
1 package com.example.demo.model;
2
3 import jakarta.persistence.*;
4 import jakarta.validation.constraints.*;
5 import java.time.LocalDate;
6
7 //Muhammad Zacky Heta Warman
8 @Entity
9 public class Mahasiswa {
10
11     @Id
12     @GeneratedValue(strategy = GenerationType.IDENTITY)
13     private int id;
14
15     //Validasi data mahasiswa yang diinput
16     @Column(nullable = false, unique = true)
17     @NotBlank(message = "NIM tidak boleh kosong")
18     @Pattern(regexp = "\\d{9}", message = "NIM harus berisi 9 karakter")
19     @Pattern(regexp = "[0-9]+$", message = "NIM hanya boleh berupa angka")
20     private String nim;
21
22     @Column(nullable = false)
23     @NotBlank(message = "Nama tidak boleh kosong")
24     @Size(max = 60, message = "Nama hanya bisa berisi hingga 60 karakter")
25     @Pattern(regexp = "[a-zA-Z ]+$", message = "Nama tidak boleh berisikan angka atau simbol")
26     private String nama;
27
28     @Column(nullable = false)
29     @NotBlank(message = "Jurusan tidak boleh kosong")
30     @Size(max = 40, message = "Jurusan hanya bisa berisi hingga 40 karakter")
31     @Pattern(regexp = "[a-zA-Z ]+$", message = "Jurusan tidak boleh berisikan angka atau simbol")
32     private String jurusan;
33
34     @Column(nullable = false)
35     @NotNull(message = "Tanggal Lahir tidak boleh kosong")
36     @Past(message = "Tanggal Lahir tidak boleh melewati hari ini")
37     private LocalDate tanggalLahir;
38
39     //Default Constructor
40     public Mahasiswa() {}
41
42     public Mahasiswa(String nim, String nama, String jurusan, LocalDate tanggalLahir) {
43         this.nim = nim;
44         this.nama = nama;
45         this.jurusan = jurusan;
46         this.tanggalLahir = tanggalLahir;
47     }
48
49     public int getId() {
50         return id;
51     }
52
53     public void setId(int id) {
54         this.id = id;
55     }
56
57     public String getNim() {
58         return nim;
59     }
60
61     public void setNim(String nim) {
62         this.nim = nim;
63     }
64
65     public String getNama() {
66         return nama;
67     }
68
69     public void setNama(String nama) {
70         this.nama = nama;
71     }
72
73     public String getJurusan() {
74         return jurusan;
75     }
76
77     public void setJurusan(String jurusan) {
78         this.jurusan = jurusan;
79     }
80
81     public LocalDate getTanggalLahir() {
82         return tanggalLahir;
83     }
84
85     public void setTanggalLahir(LocalDate tanggalLahir) {
86         this.tanggalLahir = tanggalLahir;
87     }
88 }
```

## Model (MahasiswaRepo.java)

```
MahasiswaRepo.java X
Source History
1 package com.example.demo.model.repository;
2
3 import com.example.demo.model.Mahasiswa;
4 import org.springframework.data.jpa.repository.JpaRepository;
5 import org.springframework.stereotype.Repository;
6
7 import java.util.List;
8 import java.util.Optional;
9
10 //Muhammad Zacky Heta Warman
11 @Repository
12 public interface MahasiswaRepo extends JpaRepository<Mahasiswa, Integer> {
13
14     List<Mahasiswa> findByNimContainingOrNamaContaining(String nim, String nama);
15     Optional<Mahasiswa> findByNim(String nim);
16
17 }
18
```

## Controller (MahasiswaController.java)

```
MahasiswaController.java X
Source History
1 package com.example.demo.controller;
2
3 import com.example.demo.model.Mahasiswa;
4 import org.springframework.beans.factory.annotation.Autowired;
5 import org.springframework.stereotype.Controller;
6 import org.springframework.ui.Model;
7 import org.springframework.web.bind.annotation.*;
8 import org.springframework.validation.BindingResult;
9
10 import jakarta.validation.Valid;
11 import java.util.List;
12 import java.util.Optional;
13 import com.example.demo.model.repository.MahasiswaRepo;
14
15 @Controller
16 @RequestMapping("/mahasiswa")
17 public class MahasiswaController {
18
19     @Autowired
20     private MahasiswaRepo mahasiswaRepo;
21
22     //Jalur ke home
23     @GetMapping("/")
24     public String home() {
25         return "index";
26     }
27
28 }
```

## - Create

```
28 //Jalur ke tambah mahasiswa
29 @GetMapping("/add")
30 public String addMahasiswa(Model model) {
31     model.addAttribute("mahasiswa", new Mahasiswa());
32     return "form-mahasiswa";
33 }
34
35 //Jalur ke simpan data mahasiswa
36 @PostMapping("/save")
37 public String saveMahasiswa(@Valid @ModelAttribute Mahasiswa mahasiswa, BindingResult result, Model model) {
38     if (result.hasErrors()) {
39         return "form-mahasiswa"; // Kembali ke form jika ada error
40     }
41     mahasiswaRepo.save(mahasiswa);
42     return "redirect:/mahasiswa/list";
43 }
```

## - Read

```
45 //Jalur ke list mahasiswa
46 @GetMapping("/list")
47 public String showMahasiswa(Model model) {
48     List<Mahasiswa> mahasiswaList = mahasiswaRepo.findAll();
49     model.addAttribute("mahasiswaList", mahasiswaList);
50     return "list-mahasiswa";
51 }
```

## - Update (berdasarkan NIM)

```
53 //Edit mahasiswa berdasarkan NIM
54 @GetMapping("/edit/{nim}")
55 public String editMahasiswa(@PathVariable String nim, Model model) {
56     Optional<Mahasiswa> mahasiswaOptional = mahasiswaRepo.findByNim(nim);
57     if (mahasiswaOptional.isPresent()) {
58         Mahasiswa mahasiswa = mahasiswaOptional.get();
59         System.out.println("Tanggal Lahir: " + mahasiswa.getTanggalLahir()); // Log untuk debugging
60         model.addAttribute("mahasiswa", mahasiswa);
61         return "edit-mahasiswa";
62     } else {
63         return "redirect:/mahasiswa/list"; //redirect ke list jika mahasiswa tidak ditemukan
64     }
65 }
66
67 //Update mahasiswa berdasarkan NIM
68 @PostMapping("/update/{nim}")
69 public String updateMahasiswa(@PathVariable String nim, @Valid @ModelAttribute Mahasiswa mahasiswa, BindingResult result, Model model) {
70     if (result.hasErrors()) {
71         return "form-mahasiswa";
72     }
73
74     Optional<Mahasiswa> mahasiswaOptional = mahasiswaRepo.findByNim(nim);
75
76     if (mahasiswaOptional.isPresent()) {
77         Mahasiswa existingMahasiswa = mahasiswaOptional.get();
78         existingMahasiswa.setNim(mahasiswa.getNim());
79         existingMahasiswa.setName(mahasiswa.getName());
80         existingMahasiswa.setJurusan(mahasiswa.getJurusan());
81         existingMahasiswa.setTanggalLahir(mahasiswa.getTanggalLahir());
82
83         mahasiswaRepo.save(existingMahasiswa);
84     }
85
86     return "redirect:/mahasiswa/list"; // Redirect ke daftar mahasiswa setelah update
87 }
```

## - Delete (berdasarkan NIM)

```
89 //Hapus mahasiswa berdasarkan NIM
90 @GetMapping("/delete/{nim}")
91 public String deleteMahasiswa(@PathVariable String nim) {
92     Optional<Mahasiswa> mahasiswaOptional = mahasiswaRepo.findByNim(nim);
93     if (mahasiswaOptional.isPresent()) {
94         mahasiswaRepo.delete(mahasiswaOptional.get());
95     }
96     return "redirect:/mahasiswa/list";
97 }
```

- Search / pencarian data (berdasarkan NIM atau Nama)

```

99      //Search mahasiswa
100     @GetMapping("/search")
101     public String searchMahasiswa(@RequestParam("keyword") String keyword, Model model) {
102         List<Mahasiswa> mahasiswaList = mahasiswaRepo.findByNimContainingOrNamaContaining(keyword, keyword);
103         model.addAttribute("mahasiswaList", mahasiswaList);
104         return "list-mahasiswa";
105     }
106

```

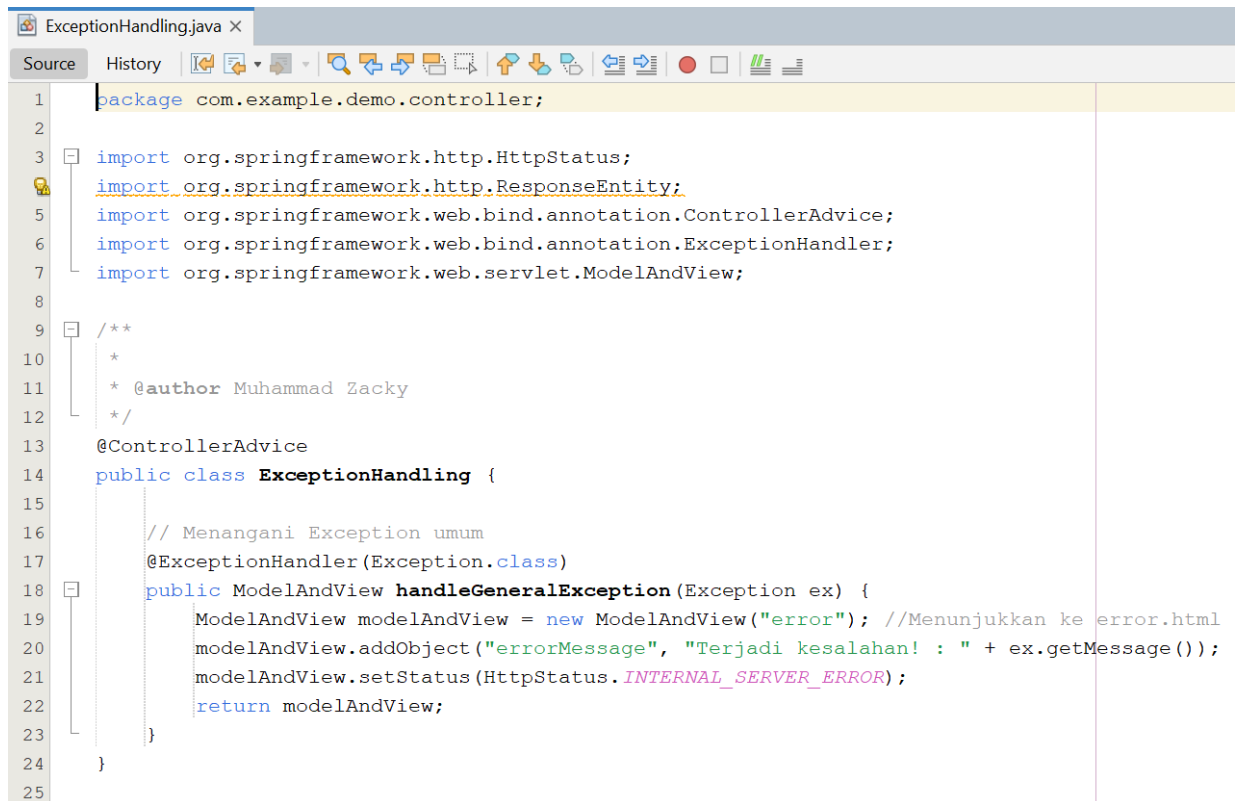
- Detail mahasiswa (berdasarkan NIM)

```

107     @GetMapping("/detail/{nim}")
108     public String viewDetail(@PathVariable String nim, Model model) {
109         Optional<Mahasiswa> mahasiswa = mahasiswaRepo.findByNim(nim);
110         if (mahasiswa.isPresent()) {
111             model.addAttribute("mahasiswa", mahasiswa.get());
112             return "detail-mahasiswa";
113         } else {
114             return "redirect:/mahasiswa/list";
115         }
116     }
117

```

## Controller (ExceptionHandler.java)



```

ExceptionHandling.java X
Source History
1 package com.example.demo.controller;
2
3 import org.springframework.http.HttpStatus;
4 import org.springframework.http.ResponseEntity;
5 import org.springframework.web.bind.annotation.ControllerAdvice;
6 import org.springframework.web.bind.annotation.ExceptionHandler;
7 import org.springframework.web.servlet.ModelAndView;
8
9 /**
10  *
11  * @author Muhammad Zacky
12  */
13 @ControllerAdvice
14 public class ExceptionHandling {
15
16     // Menangani Exception umum
17     @ExceptionHandler(Exception.class)
18     public ModelAndView handleGeneralException(Exception ex) {
19         ModelAndView modelAndView = new ModelAndView("error"); //Menunjukkan ke error.html
20         modelAndView.addObject("errorMessage", "Terjadi kesalahan! : " + ex.getMessage());
21         modelAndView.setStatus(HttpStatus.INTERNAL_SERVER_ERROR);
22         return modelAndView;
23     }
24 }
25

```

## HTML (index.html)

```
index.html x
Source History

1 <!DOCTYPE html>
2 <html lang="id">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Penugasan Praktikum 01</title>
7   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet">
8   <link href="https://fonts.googleapis.com/css2?family=Inter:wght@400;600;700&display=swap" rel="stylesheet">
9 </head>
10 <body>
11   <div class="font-family: 'Inter', sans-serif;">
12   </div>
13 </body>
14 </head>
15 <body class="bg-light min-vh-100 d-flex flex-column">
16   <div class="container my-4 flex-grow-1">
17     <header class="mb-4">
18       <h2 class="display-5 text-dark">Praktikum 01 EFK</h2>
19       <p>Muhammad Zacky Heta Warman / 222212775 / 3S11</h2>
20     </header>
21
22     <div class="bg-white rounded shadow-sm p-4 mb-4">
23       <form action="/mahasiswa/search" method="get" class="d-flex flex-column flex-sm-row gap-3">
24         <div class="flex-grow-1">
25           <label for="keyword" class="form-label">Cari Mahasiswa (NIM>Nama):</label>
26           <input type="text" id="keyword" name="keyword" required
27             class="form-control" placeholder="Masukkan NIM atau Nama yang ingin dicari">
28         </div>
29         <button type="submit" class="btn btn-primary align-self-sm-end">Cari</button>
30       </form>
31     </div>
32
33     <nav class="row g-4">
34       <div class="col-12 col-sm-4">
35         <div class="card" style="width: 100%;">
36           <div class="card-body">
37             <h3 class="card-title">Daftar Mahasiswa</h3>
38             <p class="card-text">Lihat dan edit daftar mahasiswa</p>
39             <a href="/mahasiswa/list" class="btn btn-primary">Lihat</a>
40           </div>
41         </div>
42       </div>
43
44       <div class="col-12 col-sm-4">
45         <div class="card" style="width: 100%;">
46           <div class="card-body">
47             <h3 class="card-title">Tambah Mahasiswa</h3>
48             <p class="card-text">Tambahkan mahasiswa baru ke dalam list</p>
49             <a href="/mahasiswa/add" class="btn btn-primary">Tambah</a>
50           </div>
51         </div>
52       </div>
53     </nav>
54
55   </div>
56
57   <footer class="bg-secondary text-white py-3 mt-auto">
58     <div class="container text-center">
59       <p>Muhammad Zacky Heta Warman_222212775_3S11</p>
60     </div>
61   </footer>
62
63   <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>
64 </body>
65 </html>
66
```

HTML (error.html)

```

1 <!DOCTYPE html>
2 <html xmlns:th="http://www.thymeleaf.org" lang="id">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <title>Error - Frakkiur 01 FFX</title>
7     <script src="https://cdn.tailwindcss.com"></script>
8     <link href="https://fonts.googleapis.com/css2?family=Inter:wght@400;600;700&display=swap" rel="stylesheet">
9     <style>
10         body {
11             font-family: 'Inter', sans-serif;
12         }
13     </style>
14 </head>
15 <body class="bg-gradient-to-r from-red-100 to-red-300 flex flex-col min-h-screen">
16     <div class="flex-grow flex items-center justify-center px-4 py-8">
17         <div class="bg-white p-8 rounded-lg shadow-lg max-w-md v-full text-center">
18             <h2 class="mt-4 text-3xl font-bold text-gray-800">Terjadi Kesalahan</h2>
19             <p>Th:Text="§(errorMessage)" class="mt-2 text-gray-600">Telaah Terjadi Kesalahan.</p>
20             <a href="/mahasiswa/list" class="mt-6 inline-block bg-blue-600 hover:bg-blue-700 text-white font-semibold py-2 px-4 rounded transition duration-300 transform hover:scale-105">
21                 Kembali ke Daftar Mahasiswa
22             </a>
23         </div>
24     </div>
25
26     <footer class="bg-gray-800 text-white py-4 mt-auto">
27         <div class="container mx-auto px-4 text-center">
28             <p>© Muhammad Racky Reta Harman 222212775_3511</p>
29         </div>
30     </footer>
31 </body>
32 </html>

```

HTML (list-mahasiswa.html)

```

1 <!DOCTYPE html>
2 <html lang="id">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <title>Daftar Mahasiswa - Praktikum 01 RPK</title>
7     <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet">
8     <link href="https://fonts.googleapis.com/css2?family=Inter:wght@400;600;700&display=swap" rel="stylesheet">
9     <style>
10         body {
11             font-family: 'Inter', sans-serif;
12         }
13         .content {
14             flex-grow: 1; /* untuk keperluan footer */
15         }
16     </style>
17 </head>
18 <body class="bg-light d-flex flex-column min-vh-100">
19     <div class="content container py-4">
20         <h2 class="h2 font-weight-bold text-dark mb-4">Daftar Mahasiswa</h2>
21
22         <div class="mb-4 d-flex align-items-center">
23             <a href="/mahasiswa/add" class="btn btn-success me-2">
24                 Tambah Mahasiswa
25             </a>
26
27             <form action="/mahasiswa/search" method="get" class="d-flex w-100">
28                 <input type="text" id="keyword" name="keyword" required placeholder="Cari NIM atau Nama"
29                     class="form-control me-2" />
30                 <button type="submit" class="btn btn-primary">Cari</button>
31             </form>
32
33             <div class="table-responsive">
34                 <table class="table table-striped table-bordered">
35                     <thead class="table-light">
36                         <tr>
37                             <th>NIM</th>
38                             <th>Nama</th>
39                             <th>Jurusan</th>
40                             <th>Tanggal Lahir</th>
41                             <th>Aksi</th>
42                         </tr>
43                     </thead>
44                     <tbody>
45                         <tr>
46                             <th>each<th>each="mahasiswa : ${mahasiswaList}">
47                                 <td>th:text=${mahasiswa.nim}</td>
48                                 <td>th:text=${mahasiswa.nama}</td>
49                                 <td>th:text=${mahasiswa.jurusan}</td>
50                                 <td>th:text=${mahasiswa.tanggalLahir}</td>
51
52                                 <a th:href="@{/mahasiswa/detail/{nim} (nim=${mahasiswa.nim})}" class="btn btn-primary btn-sm">Detail</a>
53                                 <a th:href="@{/mahasiswa/edit/{nim} (nim=${mahasiswa.nim})}" class="btn btn-success btn-sm mx-2">Edit</a>
54                                 <a th:href="@{/mahasiswa/delete/{nim} (nim=${mahasiswa.nim})}"
55                                     onclick="return confirm('Apakah anda yakin ingin menghapus data mahasiswa ini?');">
56                                     class="btn btn-danger btn-sm">Hapus</a>
57                             </td>

```

```

58 |         |</tr>
59 |     </tbody>
60 | </table>
61 | </div>
62 |
63 |     <div class="mt-4">
64 |         <a href="/" class="text-primary">Kembali ke Halaman Utama</a>
65 |     </div>
66 | </div>
67 |
68 | <footer class="bg-secondary text-white py-4">
69 |     <div class="container text-center">
70 |         <p>Muhammad Jacky Reta Marmar_222212775_381</p>
71 |     </div>
72 | </footer>
73 |
74 | <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>
75 | </body>
76 | </html>

```

## HTML (detail-mahasiswa.html)

```

Source History
<!DOCTYPE html>
<html lang="id">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Detail - Praktikum 01 PPF</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet">
  <link href="https://fonts.googleapis.com/css2?family=Inter:wght@400;600;700&display=swap" rel="stylesheet">
  <style>
    body {
      font-family: 'Inter', sans-serif;
      margin: 0; /* Menghilangkan margin body */
    }
    .card {
      background-color: #f8f9fa; /* Warna latar belakang yang lebih lembut */
      border-radius: 12px; /* Radius sudut yang lebih besar */
    }
    .card-header {
      background-color: #007bff; /* Warna biru untuk header */
      color: white; /* Teks putih */
      border-top-left-radius: 12px; /* Radius sudut kiri atas */
      border-top-right-radius: 12px; /* Radius sudut kanan atas */
    }
    .text-muted {
      color: #6c757d; /* Warna teks muted */
    }
    .btn-custom {
      background-color: #28a745; /* Warna hijau untuk tombol */
      color: white;
    }
    .btn-custom:hover {
      background-color: #218838; /* Warna hijau gelap saat hover */
    }
    /* Menghapus pinggiran putih di sekeliling container */
    .flex-grow-1 {
      padding: 0; /* Menghilangkan padding pada container */
      margin: 0; /* Menghilangkan margin pada container */
    }
  </style>
</head>
<body class="bg-light d-flex flex-column min-vh-100">
  <div class="flex-grow-1 d-flex align-items-center justify-content-center py-4">
    <div class="card p-4 shadow-sm w-100" style="max-width: 500px;">
      <div class="card-header text-center">
        <h2 class="h4 font-weight-bold mb-0">Detail Mahasiswa</h2>
      </div>
      <div class="card-body">
        <div class="mb-3">
          <span class="text-sm font-medium text-muted">NIM</span>
          <div class="h5 font-weight-semibold text-dark" th:text="{mahasiswa.nim}"></div>
        </div>
        <div class="mb-3">
          <span class="text-sm font-medium text-muted">Nama</span>
          <div class="h5 font-weight-semibold text-dark" th:text="{mahasiswa.nama}"></div>
        </div>
      </div>
    </div>
  </div>

```



```

58 <div class="mb-3">
59 <span class="text-sm font-medium text-muted">Jurusan</span>
60 <div class="h5 font-weight-semibold text-dark" th:text="{mahasiswa.jurusan}"></div>
61 </div>
62
63 <div class="mb-3">
64 <span class="text-sm font-medium text-muted">Tanggal Lahir</span>
65 <div class="h5 font-weight-semibold text-dark" th:text="{mahasiswa.tanggallahir}"></div>
66 </div>
67
68 <div class="mt-4 d-flex justify-content-between">
69 <a href="/mahasiswa/list" class="text-primary">
70 Kembali ke Halaman Utama
71 </a>
72 <a th:href="@{/mahasiswa/edit/{nim} (nim={mahasiswa.nim})}" class="btn btn-custom">
73 Edit Data
74 </a>
75 </div>
76 </div>
77 </div>
78 </div>
79
80 <footer class="bg-secondary text-white py-3 mt-auto">
81 <div class="container text-center">
82 <p>Muhammad Zacky Heta Warman_222212775_3811</p>
83 </div>
84 </footer>
85
86 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>
87 </body>
88 </html>
89

```

## HTML (edit-mahasiswa.html)

```

edit-mahasiswa.html x
Source History
<!doctype html>
<html lang="id">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Edit - Praktikum 01 PEG</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet">
<link href="https://fonts.googleapis.com/css2?family=Inter:wght@400;600;700&display=swap" rel="stylesheet">
<style>
body {
font-family: 'Inter', sans-serif;
}
</style>
</head>
<body class="bg-light d-flex flex-column min-vh-100">
<div class="flex-grow-1 d-flex align-items-center justify-content-center py-4">
<div class="bg-white p-4 rounded shadow-sm w-100" style="max-width: 500px;">
<h2 class="h4 font-weight-bold text-dark mb-4 text-center">Edit Data Mahasiswa</h2>
<form th:action="@{/mahasiswa/update/{nim} (nim={mahasiswa.nim})}" method="post" th:object="{mahasiswa}" class="space-y-4">
<div class="mb-3">
<label for="nim" class="form-label">NIM:</label>
<input type="text" id="nim" th:field="@{nim}" readonly class="form-control bg-light" />
</div>
<div class="mb-3">
<label for="nama" class="form-label">Nama:</label>
<input type="text" id="nama" th:field="@{nama}" required class="form-control" />
</div>
<div class="mb-3">
<label for="jurusan" class="form-label">Jurusan:</label>
<input type="text" id="jurusan" th:field="@{jurusan}" required class="form-control" />
</div>
<div class="mb-3">
<label for="tanggalahir" class="form-label">Tanggal Lahir:</label>
<input type="date" id="tanggalahir" th:field="@{tanggalahir}" required class="form-control" />
</div>
<div class="d-flex justify-content-between mt-4">
<a href="/mahasiswa/list" class="text-primary">Kembali ke Daftar Mahasiswa</a>
<button type="submit" class="btn btn-primary">Simpan</button>
</div>
</form>
<div th:if="${lists.isEmpty(mahasiswa)}" class="mt-4 text-center text-danger">
<p>Data Mahasiswa tidak ditemukan.</p>
</div>
</div>
</div>
<div>
<div class="bg-dark text-white py-3 mt-auto">
<div class="container text-center">
<p>Muhammad Zacky Heta Warman_222212775_3811</p>
</div>
</div>
</div>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>
</body>
</html>

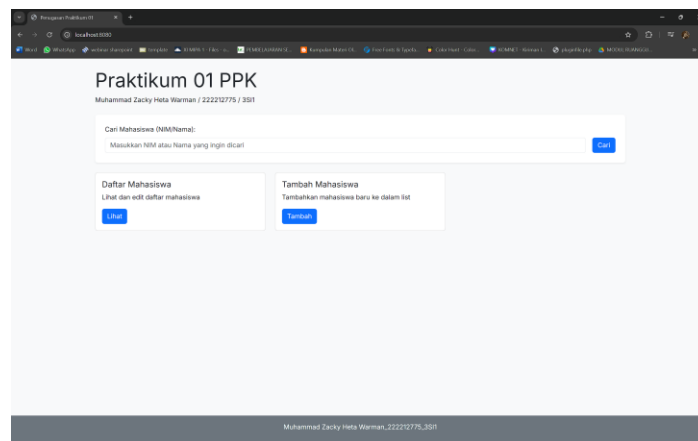
```

## HTML (form-mahasiswa.html)

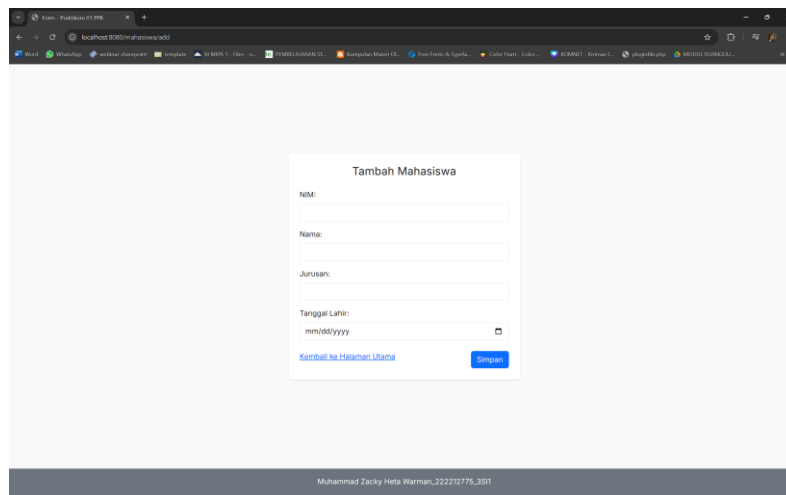
```
form-mahasiswa.html X
Source History
<!DOCTYPE html>
<html lang="id">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Form - Pendaftaran 01 KKK</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet">
  <link href="https://fonts.googleapis.com/css2?family=Inter:wght@400;600;700&display=swap" rel="stylesheet">
</head>
<body>
  <div class="font-family: 'Inter', sans-serif;">
  </div>
</body>
</html>
<body class="bg-light d-flex flex-column min-vh-100">
  <div class="flex-grow-1 d-flex align-items-center justify-content-center py-4">
    <div class="bg-white p-4 rounded shadow-sm w-100" style="max-width: 500px;">
      <h2 class="h4 font-weight-bold text-dark mb-4 text-center">Tambah/Edit Mahasiswa</h2>
      <form th:action="@{/mahasiswa/save}" th:object="${mahasiswa}" method="post">
        <div class="mb-3">
          <label for="nim" class="form-label">NIM:</label>
          <input type="text" id="nim" th:field="${nim}" required class="form-control" />
          <div th:if="${fields.hasErrors('nim')}" th:errors="${nim}" class="text-danger">NIM Error</div>
        </div>
        <div class="mb-3">
          <label for="nama" class="form-label">Nama:</label>
          <input type="text" id="nama" th:field="${nama}" required class="form-control" />
          <div th:if="${fields.hasErrors('nama')}" th:errors="${nama}" class="text-danger">Nama Error</div>
        </div>
        <div class="mb-3">
          <label for="jurusan" class="form-label">Jurusan:</label>
          <input type="text" id="jurusan" th:field="${jurusan}" required class="form-control" />
          <div th:if="${fields.hasErrors('jurusan')}" th:errors="${jurusan}" class="text-danger">Jurusan Error</div>
        </div>
        <div class="mb-3">
          <label for="tanggalahir" class="form-label">Tanggal Lahir:</label>
          <input type="date" id="tanggalahir" th:field="${tanggalahir}" required class="form-control" />
          <div th:if="${fields.hasErrors('tanggalahir')}" th:errors="${tanggalahir}" class="text-danger">Tanggal Lahir Error</div>
        </div>
        <div class="d-flex justify-content-between mt-4">
          <a href="/mahasiswa/list" class="text-primary">Kembali ke Halaman Utama</a>
          <button type="submit" class="btn btn-primary">Simpan</button>
        </div>
      </form>
    </div>
  </div>
  <div class="bg-secondary text-white py-3">
    <div class="container text-center">
      <p>Muhammad Racky Heta Hakmap 222212775_3811</p>
    </div>
  </div>
</body>
</html>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>
```

Hasil

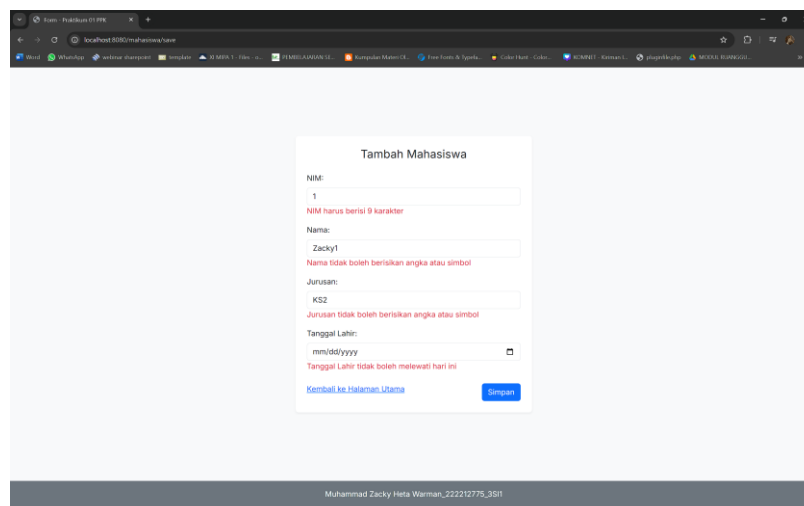
Halaman Utama



Halaman Tambah Mahasiswa



Ketika data yang diinput tidak sesuai dengan validasi



Ketika data benar dan berhasil ditambahkan, maka akan langsung mengarah ke list mahasiswa

Tambah Mahasiswa

NIM:  
987654321

Nama:  
Muhammad Zacky

Jurusan:  
SI

Tanggal Lahir:  
06/20/2005

[Kembali ke Halaman Utama](#)

Simpan

Muhammad Zacky Heta Warman,222212775,3501

Daftar Mahasiswa

Tambah Mahasiswa

Carilah NIM atau Nama

Cari

NIM	Nama	Jurusan	Tanggal Lahir	Aksi
222212775	Zacky	ST	2024-09-30	<div><div>Detail</div><div>Edit</div><div>Hapus</div></div>
123456789	TestA	KS	2024-10-02	<div><div>Detail</div><div>Edit</div><div>Hapus</div></div>
123456788	TestB	ST	2024-10-02	<div><div>Detail</div><div>Edit</div><div>Hapus</div></div>
987654321	Muhammad Zacky	SI	2005-06-20	<div><div>Detail</div><div>Edit</div><div>Hapus</div></div>

[Kembali ke Halaman Utama](#)

Muhammad Zacky Heta Warman,222212775,3501

Halaman Detail

Detail Mahasiswa

NIM  
987654321

Nama  
Muhammad Zacky

Jurusan  
SI

Tanggal Lahir  
2005-06-20

[Kembali ke Halaman Utama](#)

Edit Data

Muhammad Zacky Heta Warman,222212775,3501

## Halaman Edit

The screenshot shows a web browser window with the address bar displaying 'localhost:3000/mahasiswa/index/987654321'. The page content is a form titled 'Edit Data Mahasiswa'. The form has four input fields: 'NIM:' with the value '987654321', 'Name:' with the value 'Muhammad Zacky', 'Jurusan:' with the value 'SI', and 'Tanggal Lahir:' with the value 'mm/dd/yyyy'. Below the form, there is a blue link that says 'Kembali ke Daftar Mahasiswa' and a blue button that says 'Simpan'.

Ketika berhasil diedit, akan langsung mengarah ke list mahasiswa lagi

The screenshot shows a web browser window with the address bar displaying 'localhost:8080/mahasiswa/edit/987654321'. The page content is a form titled 'Edit Data Mahasiswa'. The form has the following fields:

- NIM:
- Nama:
- Jurusan:
- SI:
- Tanggal Lahir:

At the bottom of the form, there is a blue link 'Kembali ke Daftar Mahasiswa' and a blue button labeled 'Simpan'.

Daftar Mahasiswa

Tambah Mahasiswa

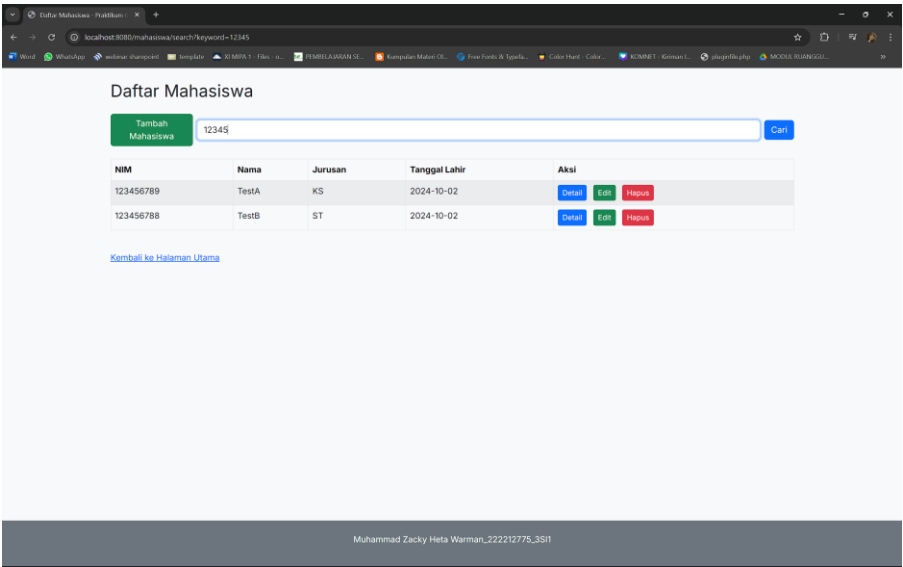
Carl NIM atau Nama

NIM	Nama	Jurusan	Tanggal Lahir	Aksi
222212775	Zacky	ST	2024-09-30	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
123456789	TestA	KS	2024-10-02	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
123456788	TestB	ST	2024-10-02	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>
987654321	Muhammad Zackyyy	SI	2005-06-03	<a href="#">Detail</a> <a href="#">Edit</a> <a href="#">Hapus</a>

[Kembali ke Halaman Utama](#)

Pencarian

- Berdasarkan NIM



- Berdasarkan nama

