

```

package coms.VaccinationCenterApp.controllers;

import java.util.Iterator;
import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PostMapping;
import org.springframework.web.bind.annotation.RequestParam;

import coms.VaccinationCenterApp.model.AdminDetail;
import coms.VaccinationCenterApp.model.VaccinationCenterDetail;
import coms.VaccinationCenterApp.service.AdminService;
import coms.VaccinationCenterApp.service.VaccinationCenterService;

@Controller
public class AdminController {

    @Autowired
    AdminService adminService;

    @Autowired
    VaccinationCenterService vaccinationCenterService;

    @GetMapping(value = "/s")
    public String adminLoginPage() {
        return "AdminLogin";
    }
}

```

```

@PostMapping(value = "/userLogin")

public String adminLoginMethod(@RequestParam("username") String userName,
@RequestParam("password") String password, Model model) {

    if(adminService.Search(userName, password)) {

        System.out.println("HomePage Login Success");

        List<VaccinationCenterDetail> vaccinationCenterDetailsList =
vaccinationCenterService.findAllVaccinationCenter();

        for (Iterator iterator = vaccinationCenterDetailsList.iterator();
iterator.hasNext();) {

            VaccinationCenterDetail vaccinationCenterDetail =
(VaccinationCenterDetail) iterator.next();

            System.out.println(vaccinationCenterDetail.getVaccinationcenterid());

            System.out.println(vaccinationCenterDetail.getCentername());

            System.out.println(vaccinationCenterDetail.getCentercity());

        }

        model.addAttribute("listOfVaccinationCenter", vaccinationCenterDetailsList);

        return "DisplayVaccinationCenter";

    }

    System.out.println("HomePage Login UnnnnSuccess");

    model.addAttribute("incorrectCredentailsMmessage", "Please enter Correct
username and password");

    return "AdminLogin";

}

```

```

@GetMapping("/RegisterAdminPage")

public String adminRegistrationPageLoad() {

    return "AdminRegister";

}

```

```

@PostMapping(value = "/RegisterAdminPageMethod")

public String adminRegisterPage(@RequestParam("adminName") String adminName,

                                @RequestParam("adminEmail") String adminEmail,
                                @RequestParam("adminPassword") String adminPassword,

                                Model model) {

    AdminDetail adminDetail = new AdminDetail();

    adminDetail.setName(adminName);

    adminDetail.setEmail(adminEmail);

    adminDetail.setPassword(adminPassword);

    if (adminService.AddNewAdmin(adminDetail) == true) {

        System.out.println("Admin added successfully...");

    } else {

        System.out.println("Try Again");

    }

    return "AdminLogin";

}
}

```

Citizen Controller: -

```

package coms.VaccinationCenterApp.controllers;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;

```

```
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.ModelAttribute;
import org.springframework.web.bind.annotation.RequestParam;

import coms.VaccinationCenterApp.model.CitizenDetail;
import coms.VaccinationCenterApp.model.VaccinationCenterDetail;
import coms.VaccinationCenterApp.service.CitizenService;
import coms.VaccinationCenterApp.service.VaccinationCenterService;
```

@Controller

```
public class CitizenController {
```

```
    @Autowired
```

```
    CitizenService citizenService;
```

```
    @Autowired
```

```
    VaccinationCenterService vaccinationCenterService;
```

```
    @GetMapping(value = "/sa")
```

```
    public String addNewC() {
```

```
        return "AddNewCitizen";
```

```
    }
```

```
    @GetMapping(value = "/addNewCitizen")
```

```
    public String AddNewCitizen(@RequestParam("citizenName") String citizenName,
```

```
                                @RequestParam("citizenCity") String citizenCity,
```

```
                                @RequestParam("citizenClinic") String citizenVc,
```

```
                                @RequestParam("VaccinationDose") int dose, @RequestParam("status")
```

```
String status) {
```

```
    CitizenDetail citizenDetail = new CitizenDetail();
```

```
    citizenDetail.setCitizenname(citizenName);
```

```
    citizenDetail.setCitizenCity(citizenCity);
```

```
    citizenDetail.setCitizenClinic(citizenVc);
```

```

        citizenDetail.setNumberofdose(dose);

        citizenDetail.setStatus(status);

        citizenService.addNewCitizen(citizenDetail);

        return "AddNewCitizen";
    }

    @GetMapping(value = "/viewAllC")
    public String viewAllCitizen(Model model) {

        List<CitizenDetail> listC = citizenService.findAllCitizen();

        model.addAttribute("lC", listC);

        return "DisplayAllCitizen";
    }

    @GetMapping(value = "/deleteCitizen")
    public String DeleteCitizenById(@RequestParam("CitizenId") int cid) {

        citizenService.deleteCitizenById(cid);

        return "redirect:/viewAllC";
    }

    @GetMapping(value = "/viewCitizen")
    public String ViewCitizenById(@RequestParam("CitizenId") int cid, Model model) {

        CitizenDetail cD = citizenService.findByIdCitizen(cid);

        model.addAttribute("cD", cD);

        return "ViewCitizen";
    }
}

```

Vaccination Centre Controller

```

import java.util.Iterator;

import java.util.List;

```

```
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.ModelAttribute;
import org.springframework.web.bind.annotation.RequestParam;

import coms.VaccinationCenterApp.model.CitizenDetail;
import coms.VaccinationCenterApp.model.VaccinationCenterDetail;
import coms.VaccinationCenterApp.service.CitizenService;
import coms.VaccinationCenterApp.service.VaccinationCenterService;
```

```
@Controller
```

```
public class VaccinationCenterController {
```

```
    @Autowired
```

```
    VaccinationCenterService vaccinationCenterService;
```

```
    @Autowired
```

```
    CitizenService citizenService;
```

```
    @GetMapping(value = "/viewAll")
```

```
    public String viewAllVaccinationCenter(Model model) {
```

```
        List<VaccinationCenterDetail> vaccinationCenterDetailsList =
        vaccinationCenterService.findAllVaccinationCenter();
```

```
        for (Iterator iterator = vaccinationCenterDetailsList.iterator(); iterator.hasNext();) {
            VaccinationCenterDetail vaccinationCenterDetail = (VaccinationCenterDetail)
            iterator.next();

            System.out.println(vaccinationCenterDetail.getVaccinationcenterid());
            System.out.println(vaccinationCenterDetail.getCentername());
            System.out.println(vaccinationCenterDetail.getCentercity());
        }
```

```

        model.addAttribute("listOfVaccinationCenter", vaccinationCenterDetailsList);
        return "DisplayVaccinationCenter";
    }

```

```

@GetMapping(value = "/addVc")
public String add() {
    return "AddNewVaccinationCenter";
}

```

```

@GetMapping(value = "/addNewVc")
public String addNewVaccinationCenter(@RequestParam("centerName") String centerName,
    @RequestParam("centerCity") String centerCity) {
    VaccinationCenterDetail vaccinationCenterDetail = new VaccinationCenterDetail();
    vaccinationCenterDetail.setCentername(centerName);
    vaccinationCenterDetail.setCentercity(centerCity);

    vaccinationCenterService.addNewVaccinationCenter(vaccinationCenterDetail);

    return "AddNewVaccinationCenter";
}

```

```

@GetMapping(value = "/deleteVc")
public String DeleteVaccinationCentreById(@RequestParam("vaccinationCenterId") int vcid) {
    vaccinationCenterService.deleteByIdVaccinationCenter(vcid);
    return "redirect:/viewAll";
}

```

```

@GetMapping(value = "/updateCall")
public String updateVaccinationCentre(@RequestParam("vaccinationCenterId") int vcid,
    Model model) {

```

```

        VaccinationCenterDetail vaccinationCenterDetail =
vaccinationCenterService.findByIdVaccinationCenter(vcid);

        model.addAttribute("crk", vaccinationCenterDetail);

        return "UpdateVaccinationCenter";

    }

```

```

    @GetMapping(value = "updateMethod")

    public String updateVaccinationCentreMethod(@ModelAttribute("crk")
VaccinationCenterDetail updateValueObject, Model model) {

        vaccinationCenterService.updateVaccinationCenter(updateValueObject);

        return "redirect:/viewAll";

    }

```

```

    @GetMapping(value = "/viewById")

    public String viewVcById(@RequestParam("vaccinationCenterId") int vcid, Model model) {

        VaccinationCenterDetail vcById =
vaccinationCenterService.findByIdVaccinationCenter(vcid);

        CitizenDetail cById = citizenService.findByIdCitizen(25);

        model.addAttribute("cById", cById);

        model.addAttribute("vcById", vcById);

        return "ViewById";

    }

}

```