

```
interface RequestHandler {
 WebResponse
handleRequest(HttpServletRequest req,
HttpServletResponse resp, Object form);
class WebResponse {
 String outcome;
 Map<String, Object> responseMap;
 public WebResponse() {
    responseMap = new HashMap();
  public void addValue(String key, Object
value) {
    responseMap.put(key, value);
  public void setOutcome(String outcome) {}
 // getters
```

```
@WebServlet(urlPatterns={"*.action"})
class WebFaceServlet extends HttpServlet {
 Map<String, RequestHandlerConfig> requestHandlerConfigMap;
 public void init() {
   // read the web-faces-config.xml and store in requestHandlerConfigMap
  public void service(HttpServletRequest req, HttpServletResponse response) {
    RequestHandlerConfig rhConfig = requestHandlerConfigMap.get(req.getPath());
   Class<?> formClass = Class.forName(rhConfig.getFormClass());
   Object form = GenericWrapper.wrap(req, formClass);
   Validator validator = Class.forName(rhConfig.getValidatorClass()).newInstance();
   validator.validate(form);
   if(validator.hasErrors()) {
      Map dataMap = new HashMap();
      dataMap.put("errors", validator.getErrors());
      dataMap.put(rhConfig.getFormName(), form);
      DispatcherView.dispatch(req, resp, dataMap, rhConfig.getSource());
     return;
    // common pre-processing logic #mandatory
    RequestHandler requestHandler = Class.forName(
                                 rhConfig.getRequestHandlerClass()).newInstance();
   WebResponse response = requestHandler.handleRequest(req, resp, form);
   // common post-processing logic #mandatory
   DispatcherView.dispatch(req, resp, response.getResponseMap(), response.getOutcome());
```

class BookAppointmentRequestHandler implements

```
web-faces-config.xml
                                                                                                class RequestHandlerConfig {
<web-faces>
 <requestHandler path="/book-appointment.action" class="BookAppointmentRequestHandler">
     <source>book-appointment</source>
    <validator class="AppointmentFormValidator"/>
    <form name="appointmentForm" class="AppointmentForm"/>
  </requestHandler>
  <requestHandler path="/newPatient.action" class="PatientSignupRequestHandler">
     <source>new-patient</source>
    <validator class="PatientFormValidator"/>
    <form name="patientForm" class="PatientForm"/>
  </requestHandler>
  <global>
    <view outcome="book-appointment" page="/book-appointment.jsp"/>
    <view outcome="new-patient" page="/new-patient-form.jsp"/>
    <view outcome="appointment-info" page="/appointment-details.jsp"/>
  </global>
</web-faces>
```

```
String path;
String requestHandlerClass;
String source;
String validatorClass;
String formClass;
String formName;
// accessors
```