



Advanced Java

Trainer: Nilesh Ghule



Spring JDBC integration

JDBC Dao Impl

```
class BookDaoImpl {
```

```
    Connection con;
```

```
    BookDaoImpl() {
```

```
        con = DbUtil.getConnection();
```

```
    }  
    void close() {  
        con.close();  
    }
```

```
    List<Book> findBySubject(String sub) {
```

```
        List<Book> l = new ArrayList<>();
```

```
        String sql = "select * from books where subject=?";
```

```
        Statement stmt = con.prepareStatement(sql);
```

```
        stmt.setString(1, sub);
```

```
        ResultSet rs = stmt.executeQuery();
```

```
        while(rs.next()) {
```

```
            int id = rs.getInt("id");
```

```
            String name = rs.getString("name");
```

```
            Book b = new Book(id, name, ...);
```

```
            l.add(b);
```

```
        }  
        return l;
```

JdbcTemplate & DataSource

```
List<Book> jdbcTemplate.query(sql, rowMapper, subject, ...);
```

```
class BookRowMapper implements RowMapper<Book> {
```

```
    Book mapRow(ResultSet rs, int num) {
```

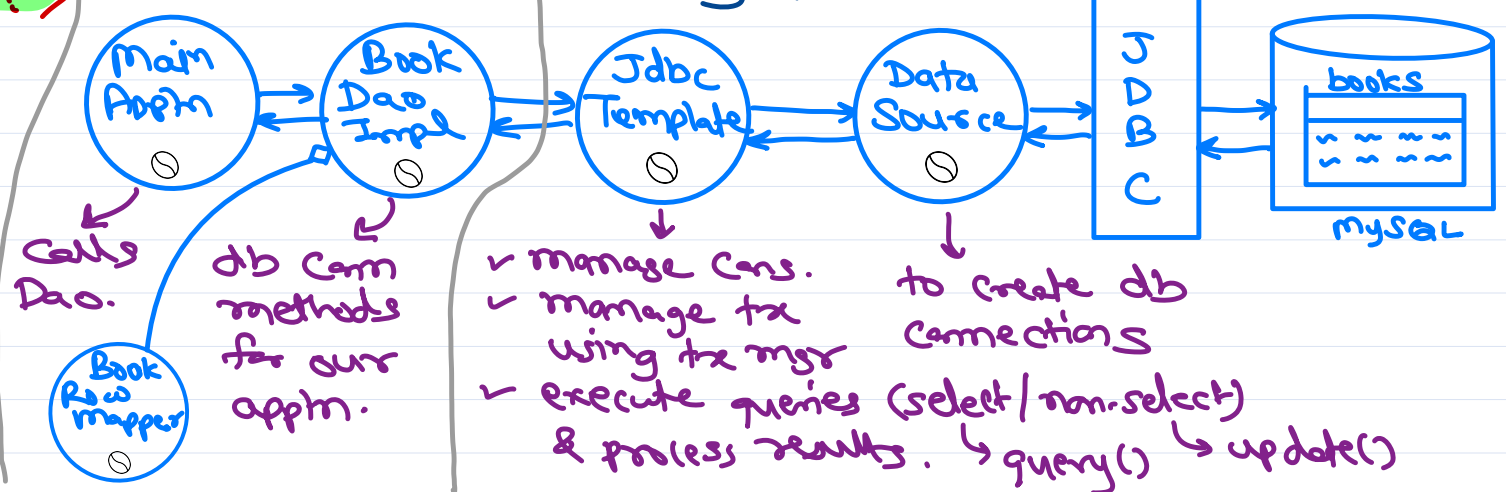
```
        int id = rs.getInt("id");
```

```
        String name = rs.getString("name");
```

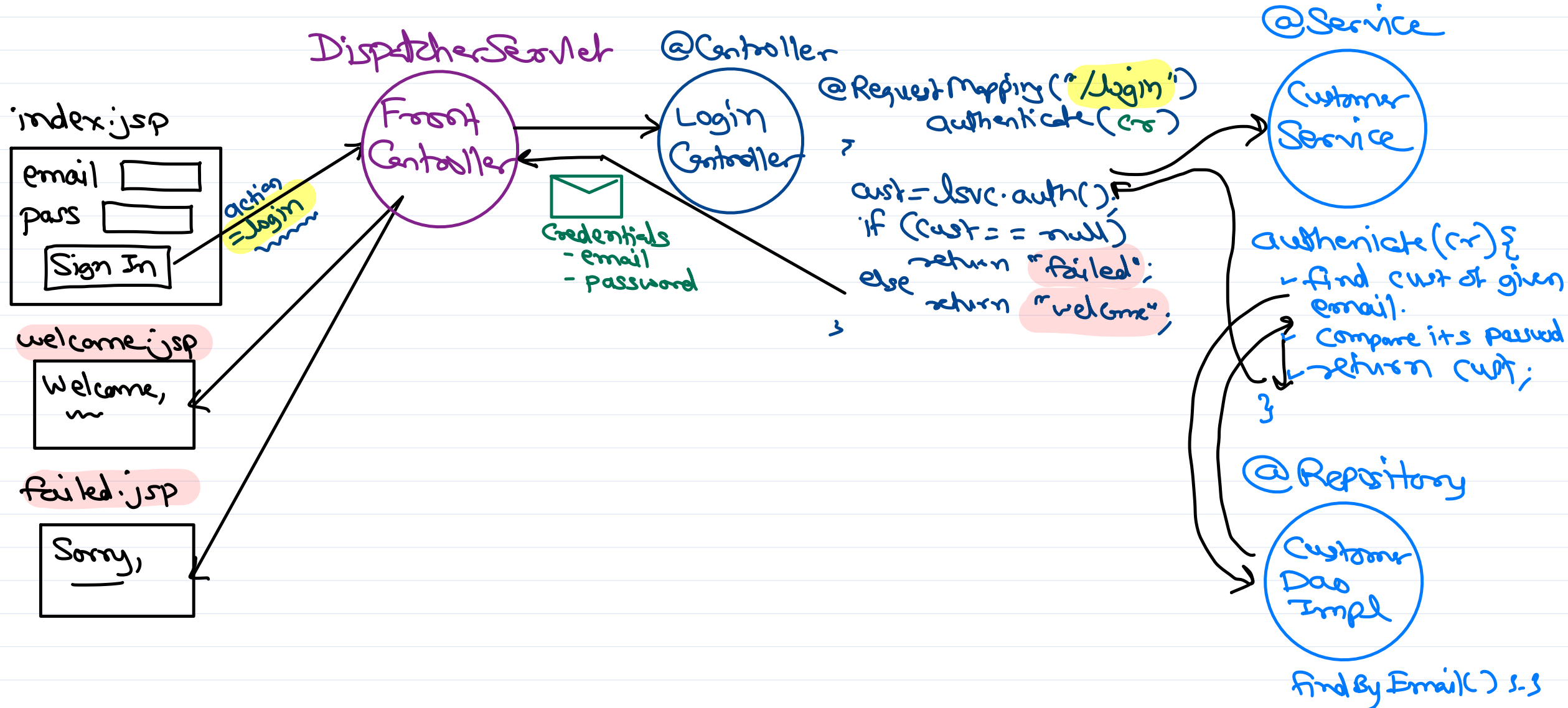
```
        Book b = new Book(id, name, ...);
```

```
        return b;
```

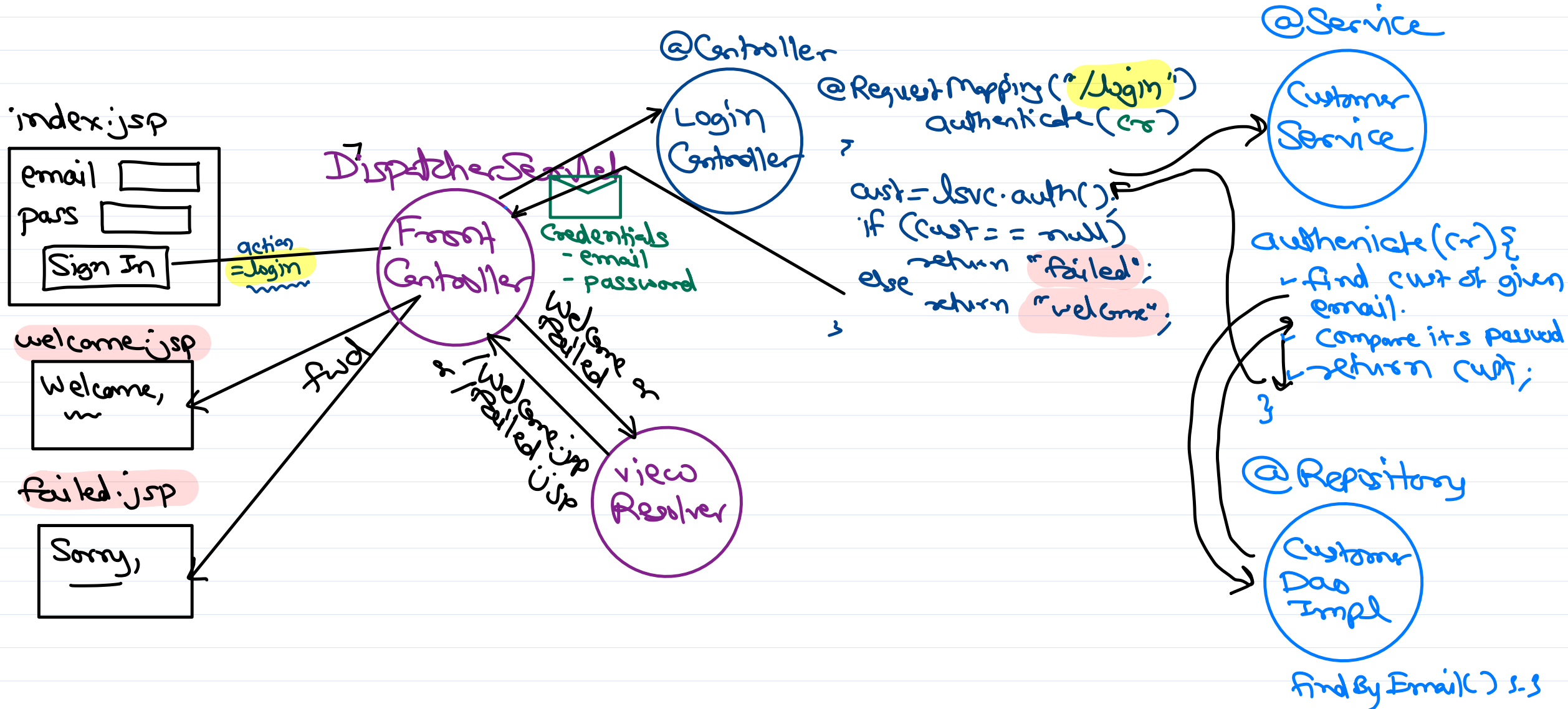
← User defined → ← By Spring →



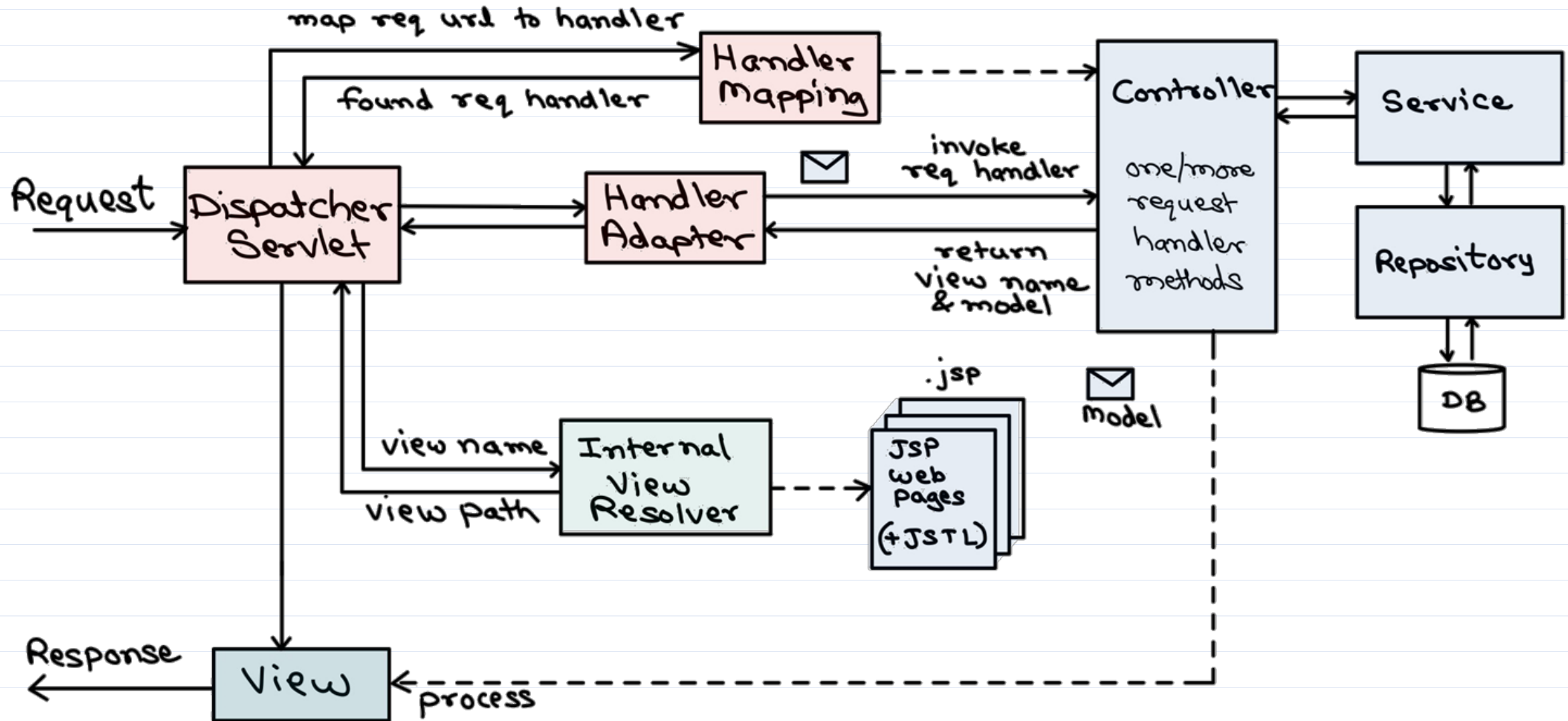
Spring Web MVC



Spring Web MVC



Spring Web MVC





Thank you!

Nilesh Ghule <nilesh@sunbeaminfo.com>

