# Workshop: Casebook

# Conspectus

This is a workshop for the [“Java Web Development Basics” course @ SoftUni](https://softuni.bg/courses/java-web-development-basics).

# Part 1: Landing the Basis of the Application

Before we start implementing the **Social Media Application** – **Casebook**, we must first implement the **Application Logic** and migrate it with the **HTTP Server** logic.

We must also **configure** our **HTTP Server** to work with an **Application** like class.

We must also **integrate Hibernate** into our **overall project**, because we will need a rather “civilized” database management. If we want to build a rather “civilized” application, **flat txt files** are not the right way.

This document will be in the form of a **conspectus**, which will represent only a brief **step-like overall** **review** of what we must do in the first part of implementing the **Casebook application**. Having that explained, let’s start with the implementation.

## Creation the Project (Maven)

## Configure the Project Structure

### Add a folder for the Server

#### Adding the Server filed to the folder (Skeleton)

### Add a folder for the Database

### Add a folder for the Application

## Configuring the HTTP Server

### Creating the Application Interface

### Configuring the Server-side Application Logic

## Creating Overall Project Entry-Point

### Initializing the Project Modules

## Configuring the Database Management

### Add Maven Dependencies

### Configuring the Entities

### Configuring the Repositories

## Configuring the Application Logic

### Creating the Application class

### Configuring the Routing Table

### Configuring the Handler Classes

# Part 2: Core Logic Full Implementation

## Configuring the Routing Logic

### Implementing Routing Annotations

#### Get Annotation

#### Post Annotation

### Implementing a BaseHandler class

### Configuring the Dynamic Handlers

### Configuring the Resource Handlers

#### Creating Resources folder

##### Creating Static Folder

##### Creating View Folder

### Configuring the Application Routing Logic

## Fixing the Handler Loading Logic

### Making the HandlerLoader load only classes with annotation

## Fixing the BaseHandler Logic

### Creating the appropriate abstractions

## Session Management

### Implementing Correct Sessions

### Implementing Correct Cookies

### Implementing Register Functionality

### Implementing Login Functionality

### Implementing Logout Functionality

## Database Relations

### Configure Mapping

## Implementing Views

### Profile View

### Home View

#### Should contain all Users with an [Add Friend] button

## Implementing Add Friend Functionality

### Friendship should be added both sides. Example: A adds B as a friend. B also adds A in its friends