# **Online diary**

# **Requirements Specification**

# **1** **Introduction**

## **1.1** **Aim**

The aim is to create a system for the community of users to share an online diary together with a contacts database.

## **1.2** **Key personnel**

Development team: Konrad Kolpak

## **1.3** **Rationale for development**

The new system is to be developed using Java EE 7 (or later) and JSF (JavaServer Faces) technologies.

**1.4** **Timetable**

**Tuesday 26th March** - Alpha version of the web application demonstrating some subset of the functionality **(M1 mandatory requirements)**

**Tuesday 15th April** - Beta version of the web application more functionality **(M2 mandatory requirements)**

**Monday 6th May** - Demonstrable web application with completed documentation and source code listings together with Javadocs. **(M3 mandatory requirements)**

# **2** **Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Requirement** | **Type** | **Status** |
| **1** | A user must be able to create a new user account by providing the information  details about a person (user) include:   1. their username (comprising at least 6 alphanumeric characters), which must be present and must be unique among all active users 2. their password, which must never be displayed by the system 3. their real name (identifying their first name(s) and last name separately), which must be present 4. their address, including a valid postcode if it is in the UK 5. their phone number, which, if present, can validly be in any one of the formats illustrated below (where spaces are not significant) 6. +44 (23) 92846438 7. their email address, which must be present and in a valid format | **M1** |  |
| **2** | Only valid records shall be added to the database. If the user enters an invalid record, the system indicates to the user where invalid data has been entered and provides them with an opportunity to correct it. | **M1** |  |
| **3** | Once a user record has been created, it can only be altered by someone who provides the username and password or is logged in using those | **M1** |  |
| **4** | Any logged in user can search or browse the records of all users. Someone who is not logged in cannot view any records. | **M1** |  |
| **5** | The application must also provide an online diary facility.  A diary appointment consists of:   1. a date/time at which the appointment starts 2. a date/time at which the appointment finishes 3. a textual name/description of the appointment 4. the person who created the appointment (the "owner") 5. a set of people who are involved in that appointment (which may or may not include the owner) | **M1** |  |
| **6** | No appointment can clash with any other appointment for any of the people involved. Creation of any such appointment must not be allowed. | **M3** |  |
| **7** | The user must be able to request reports showing the details held by the system, as follows:   1. all appointments associated with a named user (the logged in user by default) 2. all appointments in the system on a specified date 3. The owner of an appointment must be able to "cancel" it when shown in any of the reports. Cancelling an appointment will make all of the people involved in it "free". | **M3** |  |
| **8** | The records of returned users must be paginated   1. Pages should be shown at the bottom of the screen 2. Clicking on a page should change the page and display the records on the next page 3. The current page needs to be highlighted | **M3** |  |