Software Testing Plan

Introduction For all software produced at KentSoft, we will be doing the following testing

Black Box Testing

TestID	Test objective	Pre-condition	Steps	Expected outcome	Actual outcome	Status
1	Login	User is not logged in	1. User provides username, password and requested access rights. 2. System records authentication attempt. 3. System authenticates user. 4. System provides requested access rights.	User is authenticated and has the correct access rights		
2	Logout	User is logged in and has access rights	1. User logs out. 2. Server revokes access rights. 3. Server records end of authentication.	User is logged out and no longer has access rights		
3	Authorisation Check	User is authenticated	1. An authorisation check record is made. 2. Check the user's authorisation to complete the requested action. 3. Grant requested access.	User's authorisations are checked, and access is either granted or denied depending on check.		

4	Read Personal Details	User is authenticated and personal details exists.	1. Request personal details record. 2. Authorization check 3. HR Database delivers record to user. 4. User finishes has access to record.	User can access and read personal detail record.		
5	Create Personal Details Record	HR Employee is authenticated	1. HR Employee requests a new personal details record. 2. Authorisation check. 3. A new personal details record is created. 4. New record is saved in the HR Database.	HR Employee is able create new personal detail record in HR database.		
6	Amend Personal Details Record	HR Employee is authenticated and personal details exists	1. Authorisation check to obtain write access. 2. Amend the record. 3. Save amended record to HR Database.	HR Employee is able to amend personal detail records.		
7	Create New Review Record	User is authenticated	1. Employee requests a new review record. 2. Authorisation check. 3. A new review record is created. 4. Employee completes the details in the record. 5. New review record is saved in the HR Database.	Employee creates new review record in the HR database.		

8	Read Review Record	User is authenticated and the review record exists	1. Request review record. 2. Authorization check 3. HR Database delivers record to user. 4. User finishes with access to the record.	User is able to read review record.		
9	Amend Review Record	User is authenticated and the review record exists	1. Authorisation check to obtain write access. 2. Read review record. 3. Amend the record. 4. Save amended record to HR Database.	User is able to amend review record.		
10	Read Past Completed Review Records	User is authenticated and completed review record exists	1. Request review records. 2. Authorization check 3. HR Database delivers records to user. 4. User finishes with access to the records.	User is able to read past completed record.		
11	Perform Review	Date is within 2 weeks of the reviewee's employment date	1. Reviewers and Employee meet to perform annual performance review for the employee. 2. Read past completed review records. 3. Amend review record 4. HR Employee is informed of the completed review.	Review is completed and added to database.		

| 12 | Allocate Reviewer | HR Employee is authenticated | 1. HR Employee requests access to HR Database to record reviewer details.
2. Authorisation check.
3. Immediate Manager/Director of employee assigned to be a reviewer.
4. HR Employee records details of 2nd Reviewer.
5. HR Employee informs Employee and Manager/Director reviewers of the review details. | A reviewer is added to carry out the review. | | |

White Box Testing

Whitebox testing will be pursued when the first stage of the development process commences.

TestID	Test objective	Pre-condition	Steps	Expected outcome	Actual outcome	Status