

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	 User provides username, password and requested access rights. System records authentication attempt. System authenticates user. System provides requested access rights. 	User is authenticated and has the correct access rights		
2	Logout	User is logged in and has access rights	 User logs out. Server revokes access rights. Server records end of authentication. 	User is logged out and no longer has access rights		
3	Authorisation Check	User is authenticated	 An authorisation check record is made. Check the user's authorisation to complete the requested action. 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.	 Request personal details record. Authorization check HR Database delivers record to user. User can access and read personal detail record. HR Database delivers record to user. User finishes has access to record.
5	Create Personal Details Record	HR Employee is authenticated	 HR Employee requests a new personal details record. Authorisation check. A new personal details record is created. New record is saved in the HR Database.
6	Amend Personal Details Record	HR Employee is authenticated and personal details exists	 Authorisation check to obtain write access. Amend the record. Save amended record to HR Database. HR Employee is able to amend amend detail records.
7	Create New Review Record	User is authenticated	1. Employee requests a new review record. 2. Authorisation in the HR database. 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.

8	Read Review Record	User is authenticated and the review record exists	 Request review record. Authorization check HR Database delivers record to user. User is able to read review record. 	
9	Amend Review Record	User is authenticated and the review record exists	 Authorisation check to obtain write access. Read review record. Amend the record. Save amended record to HR Database. User is able to amend review record. Amend treview record. 	
10	Read Past Completed Review Records	User is authenticated and completed review record exists	 Request review records. Authorization check HR Database delivers records to user. User is able to read past completed record. HR Database delivers records to user. User finishes with access to the records. 	
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.	

12	Allocate	HR Employee	1.	HR Employee	A reviewer is	
	Reviewer	is		requests access to	added to	
		authenticated		HR Database to	carry out the	
				record reviewer	review.	
				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.		

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