# Scenarios for Authentication, Personal details records and Annual Reviews Stage 3 Version

## Authentication

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| *Use case name* | Log in |
| *Participating actors* | User, Authentication server |
| *Flow of events:  Normal flow* | 1. User provides user name and password and requested access rights.  2. System authenticates user.  3. System provides requested access rights. |
| *Flow of events:  Alternative flow* | Invalid user name or password.  2. Authentication fails |
| *Pre-condition* | User is not currently logged in with the requested access rights. |
| *Post-condition* | Normal flow: User is logged in with validated access rights.  Alternative flow: User is not logged in. |
| *Notes* | Specializations of User can have different authorisation levels from ordinary users, but might wish to login without elevated privileges. |

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| *Use case name* | Log out |
| *Participating actors* | User, Authentication server |
| *Flow of events:  Normal flow* | 1. User logs out. 2. Server revokes access rights. |
| *Flow of events:  Alternative flow* | 1. Log out failure |
| *Pre-condition* | User is logged in and has validated access rights. |
| *Post-condition* | Normal flow: User is logged out and has no access rights.  Alternative flow: User remains logged in. |

## Personal details records

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| *Use case name* | Authorisation check |
| *Participating actors* | Authorisation |
| *Flow of events:  Normal flow* | 1. Record details of the authorisation check. 2. Check the user's authorisation to complete the requested action, using credentials obtained at authentication. 3. Grant requested access. |
| *Flow of events:  Alternative flow* | User does not have the required authorisation rights.  2. Deny access. |
| *Pre-condition* | User is authenticated. |
| *Post-condition* | Details of the check have been recorded.  Normal flow: User is authenticated and access granted.  Alternative flow: User is authenticated and access denied. |

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| *Use case name* | Read personal details |
| *Participating actors* | User, HREmployee, HRDatabase |
| *Flow of events:  Normal flow* | 1. Request personal details record. 2. Include: Authorisation check 3. HR Database delivers record to user. 4. User finishes with access to the record. |
| *Flow of events:  Alternative flow* | Authorisation check fails.  3. No records are delivered to the user. |
| *Pre-condition* | User is authenticated. Record exists in the database. |
| *Post-condition* | User is authenticated. Record is unchanged in the database. |

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| *Use case name* | Create personal details record. |
| *Participating actors* | HREmployee, HRDatabase |
| *Flow of events:  Normal flow* | 1. HR Employee requests a new personal details record. 2. Include: Authorisation check. 3. A new personal details record is created. 4. HR Employee completes the details in the record. 5. New record is saved in the HR Database. |
| *Flow of events:  Alternative flow* | Authorisation check fails.  3. No new record is created.  Record is not or cannot be saved.  5. New details are lost. |
| *Pre-condition* | HREmployee is authenticated. Record does not exist. |
| *Post-condition* | HREmployee is authenticated.  Normal flow: New personal details record has been created in the HRDatabase.  Alternative flow: HRDatabase is unchanged. |

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| *Use case name* | Amend personal details record |
| *Participating actors* | User, HREmployee, HRDatabase |
| *Flow of events:  Normal flow* | 1. Include: Authorisation check to obtain write access. 2. Include: Read personal details. 3. Amend the record. 4. Save amended record to HRDatabase. |
| *Flow of events:  Alternative flow* | Authorisation check fails.  1. Write access to the record is denied.  Record cannot be retrieved.   1. Record is not available.   Record not saved.   1. Amended details are lost. |
| *Pre-condition* | HREmployee is authenticated. Personal details record for user exists. |
| *Post-condition* | HREmployee is authenticated. Personal details record for user exists.  Normal flow: Record has been amended.  Alternative flow: Record remains unchanged. |

## Review

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| *Use case name* | Create new review record. |
| *Participating actors* | Employee, HRDatabase, Authorisation |
| *Flow of events:  Normal flow* | 1. Employee requests a new review record. 2. Include: Authorisation check. 3. A new review record is created. 4. Employee enters details in the record. 5. New review record is saved in the HR Database. |
| *Flow of events:  Alternative flow* | Authorisation check fails.  3. No new review record is created.  Record is not or cannot be saved.  5. New details are lost. |
| *Pre-condition* | Current date is within 2 weeks of the employee’s employment date. Employee is authenticated. Record does not exist. |
| *Post-condition* | Current date is within 2 weeks of the employee’s employment date. Employee is authenticated.  Normal flow: New review record has been created in the HRDatabase.  Alternative flow: Record does not exist. |

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| *Use case name* | Read review record |
| *Participating actors* | HREmployee, Director, Review participant, HRDatabase, Authorisation |
| *Flow of events:  Normal flow* | 1. Request review record. 2. Include: Authorisation check 3. HR Database delivers record to user. 4. User finishes with access to the record. |
| *Flow of events:  Alternative flow* | Authorisation check fails.  3. No records are delivered to the user. |
| *Pre-condition* | Review participant is authenticated. Review record exists. |
| *Post-condition* | Review participant is authenticated. Record is unchanged in the database. |

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| *Use case name* | Amend review record |
| *Participating actors* | Review participant, HRDatabase, Authorisation |
| *Flow of events:  Normal flow* | 1. Include: Authorisation check to obtain write access. 2. Include: Read review record. 3. Amend the record. 4. Save amended record to HRDatabase. |
| *Flow of events:  Alternative flow* | Authorisation check fails.   1. Write access to the record is denied.   Record cannot be retrieved.   1. Record is not available.   Record not be saved.   1. Amended details are lost. |
| *Pre-condition* | Review participant is authenticated. Review record exists. |
| *Post-condition* | Review participant is authenticated. Review record exists. Normal flow: Record has been amended.  Alternative flow: Record remains unchanged. |

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| *Use case name* | Read past completed review records |
| *Participating actors* | Director, HREmployee, Review participant, HRDatabase, Authorisation |
| *Flow of events:  Normal flow* | 1. Request past review records. 2. Include: Authorisation check. 3. Include: Read review records. 4. HR Database delivers records to user. 5. User finishes with access to the records. |
| *Flow of events:  Alternative flow* | Authorisation check fails.  2. No records are delivered to the user. |
| *Pre-condition* | User is authenticated. Past review records for employee exist. |
| *Post-condition* | User is authenticated. Records are unchanged in the database. |

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| *Use case name* | Record allocated reviewer |
| *Participating actors* | HREmployee, HRDatabase, Authorisation |
| *Flow of events:  Normal flow* | 1. HREmployee requests access to HRDatabase to record reviewer details. 2. Include: Authorisation check. 3. HREmployee records details of 2nd Reviewer. |
| *Flow of events:  Alternative flow* |  |
| *Pre-condition* | Current date is within 2 weeks of the reviewee’s employment date. HREmployee is authenticated. |
| *Post-condition* | Current date is within 2 weeks of the reviewee’s employment date. HREmployee is authenticated and HRDatabase stores identity of the second reviewer for a particular employee. |

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| *Use case name* | Sign off review |
| *Participating actors* | Review participant, HRDatabase, Authorisation |
| *Flow of events:  Normal flow* | 1. Include: Amend review record. 2. Include: Authorisation check. 3. Participant records agreement with review. |
| *Flow of events:  Alternative flow* |  |
| *Pre-condition* | Review participant is authenticated. |
| *Post-condition* | Review participant is authenticated. If all participants have now signed then the record is marked as read-only. |