Contents

[AddCariesROI 5](#_Toc69976972)

[AddCariesROI 5](#_Toc69976973)

[AllowIPRange 6](#_Toc69976974)

[ListAllowedIPRange 6](#_Toc69976975)

[AddAllowedIPRange 6](#_Toc69976976)

[EditAllowedIPRange 6](#_Toc69976977)

[DeleteAllowedIPRange 6](#_Toc69976978)

[ExpireAllowedIPRange 6](#_Toc69976979)

[BypassLogin 7](#_Toc69976980)

[ConnectFromAllowedIP 7](#_Toc69976981)

[ConnectFromOtherIP 7](#_Toc69976982)

[ConnectFromExpiredIP 7](#_Toc69976983)

[CommandLineInterface 8](#_Toc69976984)

[SubmitImage 8](#_Toc69976985)

[ControButtonToolTips 9](#_Toc69976986)

[ControButtonToolTips 9](#_Toc69976987)

[CustomerPayment 10](#_Toc69976988)

[TakePaymentUK 10](#_Toc69976989)

[TakePaymentEU: 10](#_Toc69976990)

[ViewInvoiceUK: 10](#_Toc69976991)

[ViewInvoiceEuro: 10](#_Toc69976992)

[DeleteCariesROI 11](#_Toc69976993)

[DeleteCariesROI 11](#_Toc69976994)

[DesktopLicensing 12](#_Toc69976995)

[RegisterTrialLicence 12](#_Toc69976996)

[LicenceExpired 12](#_Toc69976997)

[LicenceUpgrade 12](#_Toc69976998)

[ValidLicence 12](#_Toc69976999)

[DisplayLicence 12](#_Toc69977000)

[EnterNewLicenceKey 12](#_Toc69977001)

[PurchaseLicence 13](#_Toc69977002)

[ChangeTrialPeriod 13](#_Toc69977003)

[DisplayCariesDetection 14](#_Toc69977004)

[TeethIndicatorsAreDisplayed 14](#_Toc69977005)

[DisplayCariesDetection 15](#_Toc69977006)

[ROIIndicatorsAreDisplayed 15](#_Toc69977007)

[ROIIndicatorsAreEasilyVisible 15](#_Toc69977008)

[DisplayImage 16](#_Toc69977009)

[ImageIsDisplayed 16](#_Toc69977010)

[MultipleImagesDisplayed 16](#_Toc69977011)

[EnterFeedback 17](#_Toc69977012)

[UserCanEnterFeedback 17](#_Toc69977013)

[AllowedIPCanEnterFeedback 17](#_Toc69977014)

[ExpandImage 18](#_Toc69977015)

[ExpandImageToFullScreen 18](#_Toc69977016)

[ExitFullScreen 18](#_Toc69977017)

[FeatureTour 19](#_Toc69977018)

[TakeTourOfFeatures 19](#_Toc69977019)

[ImageID 20](#_Toc69977020)

[ShowImageIDAsFilename 20](#_Toc69977021)

[EditImageID 20](#_Toc69977022)

[LegalLabelling 21](#_Toc69977023)

[DisplayLegalInformation 21](#_Toc69977024)

[LogDetections 22](#_Toc69977025)

[CanAccessUserDetections 22](#_Toc69977026)

[CanAccessAllowedIPDetections 22](#_Toc69977027)

[MagnifyImage 23](#_Toc69977028)

[MagnifierOnImage 23](#_Toc69977029)

[HideAnnotationOnMagnify 23](#_Toc69977030)

[ManageUserLogins 24](#_Toc69977031)

[ListUsers 24](#_Toc69977032)

[AddUser 24](#_Toc69977033)

[DeleteUser 24](#_Toc69977034)

[ProtectPatientData 25](#_Toc69977035)

[AnonymiseDicomData 25](#_Toc69977036)

[SecureAllTraffic 25](#_Toc69977037)

[RepositionCariesROI 26](#_Toc69977038)

[MoveCariesROI 26](#_Toc69977039)

[FlipCariesROI 26](#_Toc69977040)

[RestrictAccess 27](#_Toc69977041)

[CanUseInEU 27](#_Toc69977042)

[CanUseInUK 27](#_Toc69977043)

[CannotUseIn 27](#_Toc69977044)

[SeeWhatsNew 28](#_Toc69977045)

[SeeNewFeaturesOnStartup 28](#_Toc69977046)

[StopSeeingNewFeatures 28](#_Toc69977047)

[SeeNewFeaturesAfterStartup 28](#_Toc69977048)

[ShowProgress 29](#_Toc69977049)

[ShowAnalysisProgress 29](#_Toc69977050)

[SubmitImages 30](#_Toc69977051)

[SubmitSingleImage 30](#_Toc69977052)

[SubmitMultipleImages 30](#_Toc69977053)

[SubmitTiffImage 30](#_Toc69977054)

[SubmitDICOMImage 30](#_Toc69977055)

[ToggleAnnotationVisibility 31](#_Toc69977056)

[HideImageAnnotation 31](#_Toc69977057)

[RestoreImageAnnotation 31](#_Toc69977058)

[UpgradeClient 32](#_Toc69977059)

[CheckForUpdatesNoneAvailable 32](#_Toc69977060)

[CheckForUpdatesWhenAvailable 32](#_Toc69977061)

[DownloadUpdate 32](#_Toc69977062)

[UsernameLogin 33](#_Toc69977063)

[LoginWithUsername 33](#_Toc69977064)

[LoginWithUsernameWithoutAnalysisRole 33](#_Toc69977065)

[ViewAnalysisProgress 34](#_Toc69977066)

[UserCanViewUploadProgress 34](#_Toc69977067)

[UserCanViewAnalysisProgress 34](#_Toc69977068)

[ViewFeedback 35](#_Toc69977069)

[CanAccessUserFeedback 35](#_Toc69977070)

[CanAccessAllowedIPFeedback 35](#_Toc69977071)

## AddCariesROI

*(Tags: @UR, @UR008, @Analysis)*

As a dentist

I want to add caries regions of interest at a location I deem dubious

So that I can record for future use and share the results with a patient

### AddCariesROI

*(Tags: @UR008-1)*

**Given** I submit an image

**When** I choose a location at which to add a caries ROI to the image

**Then** the new caries ROI is show on the image

## AllowIPRange

*(Tags: @UR, @UR014, @Security, @WebOnly)*

As an administrator

I want to create, edit and delete whitelisted or Allowed IP Ranges

So that I can allow users accessing from those IP addresses to access analysis functionality without providing credentials

### ListAllowedIPRange

*(Tags: @UR014-1)*

**Given** I am logged in with admin permissions

**When** I request the Allowed IP Ranges page

**Then** a list of allowed ip ranges is displayed

### AddAllowedIPRange

*(Tags: @UR014-2)*

**Given** I am logged in with admin permissions

**When** I create an Allowed IP Range for my computer

**Then** my IP address is included in the list of Allowed IP Ranges

### EditAllowedIPRange

*(Tags: @UR014-3)*

**Given** I am logged in with admin permissions

**And** a single Allowed IP Range exists that includes my computer or subdomain's IP address

**When** I edit the Allowed IP Range for my computer and enter a different computer's IP address

**Then** the IP address is updated in the list of Allowed IP Ranges

### DeleteAllowedIPRange

*(Tags: @UR014-4)*

**Given** I am logged in with admin permissions

**And** a single Allowed IP Range exists that includes my computer or subdomain's IP address

**When** I delete the Allowed IP Range for my computer

**Then** the IP address is no longer present in the list of Allowed IP Ranges

### ExpireAllowedIPRange

*(Tags: @UR-14-5)*

**Given** I am logged in with admin permissions

**And** a single Allowed IP Range exists that includes my computer or subdomain's IP address

**When** I set the Expiry Date to be some date in the past

**Then** the expiry date is updated in the list of Allowed IP Ranges

## BypassLogin

*(Tags: @UR, @UR013, @Security, @WebOnly)*

As a dentist at an institution

I want to bypass the standard login security

So that I can access functionality immediately

And so that I can access functionality from any computer at the institution without entering credentials

### ConnectFromAllowedIP

*(Tags: @UR013-1)*

**Given** I am using a computer within an allowed IP range

**And** I am logged out of the application

**When** I request the analysis page

**Then** the analysis page is displayed

**When** I submit an image

**Then** the image and results are displayed

### ConnectFromOtherIP

*(Tags: @UR013-2)*

**Given** I am using a computer that isn't included within an allowed IP range

**And** I am logged out of the application

**When** I request the analysis page

**Then** the login page is displayed

### ConnectFromExpiredIP

*(Tags: @UR013-3)*

**Given** I am using a computer within an allowed IP range but an expiry date in the past

**And** I am logged out of the application

**When** I request the analysis page

**Then** the login page is displayed

## CommandLineInterface

*(Tags: @UR, @UR024, @Integration, @DesktopOnly)*

As a third-party developer

I want to be able to pass command line arguments to AssistDent

So that I can instruct it to analyze specific images

And display custom info

### SubmitImage

*(Tags: @UR024-1)*

**When** I submit an image filename to AssistDent from a third-party

**Then** AssistDent analyses the specified image

**And** displays the correct patient name

## ControButtonToolTips

*(Tags: @UR, @UR010, @Labelling, @WebOnly)*

As a dentist

I want to be given indications of what the control buttons means

so that I can understand the functionality

### ControButtonToolTips

*(Tags: @UR010-1)*

**Given** I have submitted an image

**When** I hover over the results buttons below the image

**Then** tool-tips appear to indicate the function of each button

## CustomerPayment

*(Tags: @UR, @UR029, @DesktopOnly, @Admin)*

As a company

We want to accept payment for subscriptions to AssistDent

So we can make money

### TakePaymentUK

*(Tags: @UR029-1)*

**Given** I have register a trial licence for a UK user

**When** I access the purchase licence page

**And** choose the default price

**Then** the payment is in GBP

**And** UK VAT is applied

### TakePaymentEU:

*(Tags: @UR029-2)*

**Given** I have register a trial licence for an EU user

**When** I access the purchase licence page

**And** choose the default price

**Then** the payment is in Euros

**And** UK VAT is not applied

### ViewInvoiceUK:

*(Tags: @UR029-3)*

**Given** I have paid for a subscription for a UK user

**When** I access my billing portal

**Then** I can view an invoice for each month

**And** the invoice contains the price paid

**And** the invoice contains the customer name and address

**And** the invoice contains the VAT amount

**And** the invoice contains the MIL VAT number

### ViewInvoiceEuro:

*(Tags: @UR029-4)*

**Given** I have paid for a subscription for an EU user

**When** I access my billing portal

**Then** I can view an invoice for each month

**And** the invoice contains the price paid

**And** the invoice contains the customer name and address

**And** the invoice contains a statement regarding reverse tax

## DeleteCariesROI

*(Tags: @UR, @UR006, @Analysis)*

As a dentist

I want to delete caries regions of interest that I judge to be incorrect

So that I can share the results with a patient without showing false positives

### DeleteCariesROI

*(Tags: @UR006-1)*

**Given** I submit an image

**And** the image contains caries ROIs

**When** I select one or more caries ROIs

**And** delete them

**Then** the caries ROIs are removed from the image

## DesktopLicensing

*(Tags: @UR, @UR025, @Admin, @DesktopOnly)*

As a company

We want to issue users with a licence key

So that we can restrict users to free trials and paying customers

### RegisterTrialLicence

*(Tags: @UR025-1)*

**Given** no licence is registered for the current machine

**When** I start the desktop app

**Then** I am required to complete user registration

**And** the application starts

**And** a customer is created on CryptoLens with the correct details

**And** a customer is created on Stripe with the correct details

### LicenceExpired

*(Tags: @UR025-2)*

**Given** a licence is registered for the current machine

**And** that licence has expired

**When** I start the desktop app

**Then** the app does not start

### LicenceUpgrade

*(Tags: @UR025-3)*

**Given** a licence is registered for the current machine

**And** that licence has expired

**When** I start the desktop app

**Then** I am directed to the store website to purchase a Licence

**And** there is an appropriate choice of purchase options for me

### ValidLicence

*(Tags: @UR025-4)*

**Given** a licence is registered for the current machine

**And** that licence has not expired

**When** I start the desktop app

**Then** the desktop app starts

### DisplayLicence

*(Tags: @UR025-5)*

**Given** a licence is registered for the current machine

**And** that licence has not expired

**Then** the licence key can be seen in the application

**And** the licence expiry date can be seen in the application

### EnterNewLicenceKey

*(Tags: @UR025-6)*

**Given** a valid licence is registered for the current machine

**When** I enter a new valid licence key

**And** restart the application

**Then** the application starts

**And** the application uses the new licence key

### PurchaseLicence

*(Tags: @UR025-7)*

**Given** that I have been directed to the store website to purchase a license

**When** I purchase a license

**Then** the license expiry date is extended as specified by the product

### ChangeTrialPeriod

*(Tags: @UR-25-8)*

**Given** a licence is not generated for the current machine

**When** I configure the store app to generate a 1 day licence

**And** I register for a trial licence

**Then** the licence expiry date can be seen in the application

**And** the expiry date is in 1 day

## DisplayCariesDetection

*(Tags: @UR, @UR002, @Analysis)*

As a dentist

I want to see which teeth have been detected and analyzed for caries

So that I can check for caries manually on undetected teeth

### TeethIndicatorsAreDisplayed

*(Tags: @UR002-1)*

**When** I submit an image

**Then** the detected teeth are indicated on the image

## DisplayCariesDetection

*(Tags: @UR, @UR003, @Analysis)*

As a dentist

I want to view caries regions of interest on a bitewing image

So that I can see where early stage decay is ocurring

### ROIIndicatorsAreDisplayed

*(Tags: @UR003-1)*

**When** I submit an image

**Then** the detected caries ROIs are indicated

### ROIIndicatorsAreEasilyVisible

*(Tags: @UR003-2)*

**When** I submit an image

**Then** the detected caries ROIs are indicated

**And** the detected caries ROI indicators are easily visible

## DisplayImage

*(Tags: @UR, @UR001, @Analysis)*

As a dentist

I want to view one or more bitewing images

So that when caries detection is performed I can view the results in place over the analyzed images

### ImageIsDisplayed

*(Tags: @UR001-1)*

**When** I submit an image

**Then** the image is displayed on screen

### MultipleImagesDisplayed

*(Tags: @UR001-2, @WebOnly)*

**When** I submit 4 images

**Then** all 4 images are displayed on screen

## EnterFeedback

*(Tags: @UR, @UR021, @Admin, @WebOnly)*

As a user

I want to enter feedback comments

So that I can tell Manchester Imaging what I think of assistdent.net

### UserCanEnterFeedback

*(Tags: @UR021-1)*

**Given** I have logged in with analysis permissions

**When** I access the feedback page

**Then** I can enter a comment

### AllowedIPCanEnterFeedback

*(Tags: @UR021-2)*

**Given** I have accessed from an allowed IP address

**When** I access the feedback page

**Then** I can enter a comment

## ExpandImage

*(Tags: @UR, @UR005, @Analysis, @WebOnly)*

As a dentist

I want to expand the image view to view full screen

So that I can see potentially affected areas in more detail

And I can share the image with a patient

### ExpandImageToFullScreen

*(Tags: @UR005-1)*

**Given** I submit an image

**When** I expand the image view

**Then** the image is displayed using as much of the screen as possible

### ExitFullScreen

*(Tags: @UR005-2)*

**Given** I am viewing an image in full screen

**When** I collapse the image view

**Then** the image is displayed in preview/tile view

## FeatureTour

*(Tags: @UR, @UR012, @Labelling, @WebOnly)*

As a dentist

I want to take a tour of features

So that I can learn how to use assistdent.net

### TakeTourOfFeatures

*(Tags: @UR012-1)*

**When** I follow a link to the tour

**Then** a tour of features is started

**And** submission is introduced

**And** display is introduced

**And** magnify is introduced

**And** hide/display annotation is introduced

**And** delete is introduced

**And** flip is introduced

**And** add is introduced

**And** full screen is introduced

## ImageID

*(Tags: @UR, @UR023, @Analysis, @WebOnly)*

As a user

I want to be able to see the filename name next to the image

And be able to edit that ID to whatever text I wish

So that I can identify and label any of the images on the analysis page

And confirm that I submitted the correct image for analysis

### ShowImageIDAsFilename

*(Tags: @UR023-1)*

**Given** I have submitted an image for analysis

**When** the image is displayed

**Then** the ID of the image is shown

**And** set as the image filename

### EditImageID

*(Tags: @UR023-2)*

**Given** I have submitted an image for analysis

**When** I hover over the ID of the image

**Then** A box appears around the ID

**And** I am able to edit the ID field and change to different value

## LegalLabelling

*(Tags: @UR, @UR015, @Labelling)*

As a regulator

I want to view the legal and safety information regarding AssistDent

So that AssistDent can be used legally and safely on patients

### DisplayLegalInformation

*(Tags: @UR015-1)*

**When** I request the clinical use information

**Then** the information includes the UDI Device Identifier

**And** the information includes the CE mark

**And** the information includes the manufacturer details

**And** the information includes the CE representative details

**And** the information includes the date of manufacture

**And** the information includes the intended of use

**And** the information includes the indications for use

**And** the information includes the contraindications

**And** the information includes the warnings and precautions

## LogDetections

*(Tags: @UR, @UR019, @Security, @WebOnly)*

As an admin

I want to view size, dimensions, analysis time and source IP address of detections by username

So that I can see how often and when detections are being performed under each account

As an admin

I want to view size, dimensions, analysis time and source IP address of detections by Allowed IP

So that I can see how often and when detections are being performed from an Allowed IP range

### CanAccessUserDetections

*(Tags: @UR019-1)*

**Given** I have logged in with admin permissions

**When** I access the Details page for an individual user

**Then** I can see a list of detections

**And** I can see the date and time of the detection

**And** I can see the size and dimensions of the analysed image

**And** I can see the IP address from which the detection was made

### CanAccessAllowedIPDetections

*(Tags: @UR019-2)*

**Given** I have logged in with admin permissions

**When** I access the Details page for an individual Allowed IP

**Then** I can see a list of detections

**And** I can see the date and time of the detection

**And** I can see the size and dimensions of the analysed image

**And** I can see the IP adderss from which the detection was made

## MagnifyImage

*(Tags: @UR, @UR004, @Analysis)*

As a dentist

I want to zoom in on a selected area of the image

So that I can see potentially affected areas in more detail

### MagnifierOnImage

*(Tags: @UR004-1)*

**Given** I submit an image

**And** the image is displayed on screen

**When** I hold the left mouse button down

**Then** a portion of the image is displayed at a higher magnification

### HideAnnotationOnMagnify

*(Tags: @UR004-2)*

**Given** I submit an image

**And** I activate the magnifier

**When** I move the mouse cursor over a caries ROI indicator

**Then** the indicator is hidden in the magnified view

**When** I move the mouse cursor over a tooth indicator

**Then** the indicator is hidden in the magnified view

## ManageUserLogins

*(Tags: @UR, @UR018, @Security, @WebOnly)*

As an administrator

I want to create, view and delete user accounts

So that I can grant individuals access to analysis functionality

### ListUsers

*(Tags: @UR018-1)*

**Given** I am logged in with admin permissions

**When** I request the Manage Users page

**Then** a list of users is displayed

### AddUser

*(Tags: @UR018-2)*

**Given** I am logged in with admin permissions

**When** I create an User

**And** choose a valid Password of at least 6 characters

**And** choose a valid Password with at least one lowercase, capital and number

**Then** my User is included in the list of users

### DeleteUser

*(Tags: @UR018-3)*

**Given** I am logged in with admin permissions

**And** a single User exists

**When** I delete the User for my computer

**Then** the User is no longer present in the list of users

## ProtectPatientData

*(Tags: @UR, @UR011, @Security, @WebOnly)*

As a dentist

I want to anonymise DICOM images before I send them to Manchester Imaging

So that I can keep my patients' identities private

As a dentist

I want to encrypt image data when sent to Manchester Imaging

So that I can prevent my patients' image data being intercepted en route

### AnonymiseDicomData

*(Tags: @UR011-1)*

**When** I submit a DICOM image file for analysis

**Then** the DICOM file when read on the server contains no patient identifying data

### SecureAllTraffic

*(Tags: @UR011-2)*

**When** I load the Assistdent web page

**Then** the page is accessible only via https

**And** the connection is secure

## RepositionCariesROI

*(Tags: @UR, @UR009, @Analysis)*

As a dentist

I want to be able to reposition and change arrow indicator directions

so that I can indicate alternative regions that I believe to be carious

### MoveCariesROI

*(Tags: @UR009-2)*

**Given** I have submitted an image

**And** the image contains at least one ROI

**When** I click-and-drag with the mouse button on an ROI

**Then** the ROI is moved to the the new location

### FlipCariesROI

*(Tags: @UR009-2)*

**Given** I submit an image

**And** the image contains caries ROIs

**When** I select one or more caries ROIs

**And** flip its direction

**Then** the caries ROIs direction is flipped horizontally

## RestrictAccess

*(Tags: @UR, @UR028, @DesktopOnly, @Admin)*

As a company

We want to obstruct access to AssistDent in certain territories

So that it can only be used in territories where we have regulatory clearance

### CanUseInEU

*(Tags: @UR028-1)*

**Given** no licence is registered for the current machine

**When** I start AssistDent

**And** I enter details including country name "Denmark"

**Then** I can register

**And** AssistDent starts

### CanUseInUK

*(Tags: @UR028-2)*

**Given** no licence is registered for the current machine

**When** I start AssistDent

**And** I enter details including country name "United Kingdom

**Then** I can register

**And** AssistDent starts

### CannotUseIn

*(Tags: @UR028-3)*

**Given** no licence is registered for the current machine

**When** I start AssistDent

**And** I enter details including country name "United States"

**Then** I cannot register

**And** AssistDent does not start

## SeeWhatsNew

*(Tags: @UR, @UR027, @DesktopOnly, @Analysis)*

As a user

I want to be made aware of new features

So that I know what's changed

### SeeNewFeaturesOnStartup

*(Tags: @UR027-1)*

**Given** I have not dismissed the news for the version installed

**When** I start AssistDent

**Then** the new features are displayed

### StopSeeingNewFeatures

*(Tags: @UR027-2)*

**Given** I have not dismissed the news for the version installed

**And** I start AssistDent

**And** the new features are displayed

**When** I dismiss/request the new features are no longer displayed

**And** I restart AssistDent

**Then** AssistDent restarts

**And** the new features are not dismissed

### SeeNewFeaturesAfterStartup

*(Tags: @UR027-3)*

**Given** I have started AssistDent

**When** I access the new features

**Then** the new features are displayed

## ShowProgress

*(Tags: @UR, @UR026, @Analysis)*

As a user

I want confirmation that AssistDent is performing caries detection

So that I can wait for the analysis to complete

### ShowAnalysisProgress

*(Tags: @UR026-1)*

**When** I perform caries detection

**Then** the analysis status is reported at relevant stages

## SubmitImages

*(Tags: @UR, @UR016, @Analysis, @WebOnly)*

As a dentist

I want to submit one or more images for analysis

So that I can request caries detection on my patients' images

### SubmitSingleImage

*(Tags: @UR016-1)*

**Given** I am authorized with analysis permissions

**And** I navigate to the Analysis page

**When** I browse for a single bitewing image

**Then** the image is sent

**And** the image is displayed

**And** results are displayed

### SubmitMultipleImages

*(Tags: @UR016-2)*

**Given** I am authorized with analysis permissions

**And** I navigate to the Analysis page

**When** I browse and select 2 bitewing images

**Then** the images are sent

**And** the images are displayed

**And** results for both images are displayed

### SubmitTiffImage

*(Tags: @UR016-3)*

**Given** I am authorized with analysis permissions

**And** I navigate to the Analysis page

**When** I browse for a single tiff bitewing image

**Then** the image is sent

**And** the image is displayed

**And** results are displayed

### SubmitDICOMImage

*(Tags: @UR016-4)*

**Given** I am authorized with analysis permissions

**And** I navigate to the Analysis page

**When** I browse for a single DICOM bitewing image

**Then** the image is sent

**And** the image is displayed

**And** results are displayed

## ToggleAnnotationVisibility

*(Tags: @UR, @UR007, @Analysis)*

As a dentist

I want to hide all annotation

So that I can review the image grade and look for other conditions

### HideImageAnnotation

*(Tags: @UR007-1)*

**Given** I submit an image

**And** the image contains caries ROIs

**When** I hide the annotation

**Then** the tooth and caries ROI indicators are hidden from view

### RestoreImageAnnotation

*(Tags: @UR007-2)*

**Given** I submit an image

**And** the image contains caries ROIs

**And** I have hidden the annotation

**When** I restore the annotation

**Then** the tooth and caries ROI indicators are displayed

## UpgradeClient

*(Tags: @UR, @UR024, @Admin, @DesktopOnly)*

As a user

I want to know when updates are available to the desktop client

So that I can keep the software up to date

And use the best performing algorithms

### CheckForUpdatesNoneAvailable

*(Tags: @UR024-1)*

**Given** updates are not available

**When** I start the desktop app

**Then** the app starts normally

### CheckForUpdatesWhenAvailable

*(Tags: @UR024-2)*

**Given** updates are available

**When** I start the desktop app

**Then** the user is informed of the availability of an update

### DownloadUpdate

*(Tags: @UR024-3)*

**Given** updates are available

**When** I start the desktop app

**Then** the app starts the user is directed to the updated installer

## UsernameLogin

*(Tags: @UR, @UR017, @Security, @WebOnly)*

As a dentist

I want to authenticate myself using a username and password

So that I can perform analyses from any remote computer

### LoginWithUsername

*(Tags: @UR017-1)*

**Given** I am logged out

**And** I have Analysis user role

**When** I request login

**And** enter my username and password

**Then** I can access the analysis page

### LoginWithUsernameWithoutAnalysisRole

*(Tags: @UR017-2)*

**Given** I am logged out

**And** I do not have Analysis user role

**When** I request login

**And** enter my username and password

**Then** I cannot access the Analysis page

## ViewAnalysisProgress

*(Tags: @UR, @UR022, @Analysis, @WebOnly)*

As a user

I want to view the progress of my image upload, and the subsequent analysis

So that I can see the application is responding to my request

### UserCanViewUploadProgress

*(Tags: @UR022-1)*

**Given** I have logged in with analysis permissions

**When** I submit an image for analysis

**Then** I can see a progress indicator to show file upload progress

**And** it indicates how much of the file has been uploaded

### UserCanViewAnalysisProgress

*(Tags: @UR022-2)*

**Given** I have logged in with analysis permissions

**And** I have submitted an image for analysis

**When** the file upload completes

**And** the image is visible

**Then** I can see a progress indicator to show analysis progress

## ViewFeedback

*(Tags: @UR, @UR020, @Admin, @WebOnly)*

As Manchester Imaging

We want to view feedback comments by user or allowed ip

So that we can see how a user/group of users feel about assistdent.net

### CanAccessUserFeedback

*(Tags: @UR020-1)*

**Given** I have logged in with admin permissions

**When** I access the Details page for an individual user

**Then** I can see a list of feedback comments

**And** I can see the date of each comment

### CanAccessAllowedIPFeedback

*(Tags: @UR020-2)*

**Given** I have logged in with admin permissions

**When** I access the Details page for an individual Allowed IP

**Then** I can see a list of feedback comments

**And** I can see the date of each comment