



# DSA Justification Guidelines



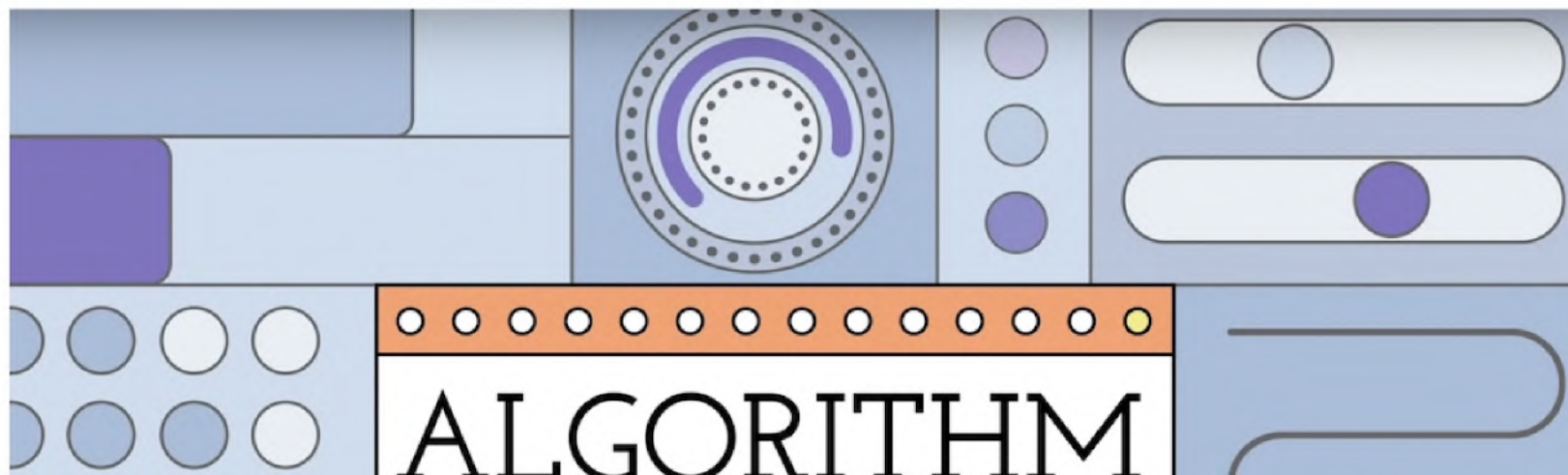
## Computer Science - 25th Jan

24th January, 2022 4:30PM - 5:30PM

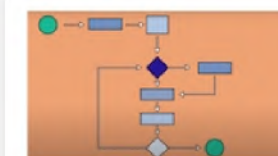
[Collaborate](#)

Teacher: Prof Smith

[tech](#) [lecture](#) [Edit tags](#)



### 5 Clips

[Make clips](#)

Concept of algorithms

01:05 - 01:21

[Show Transcript](#)

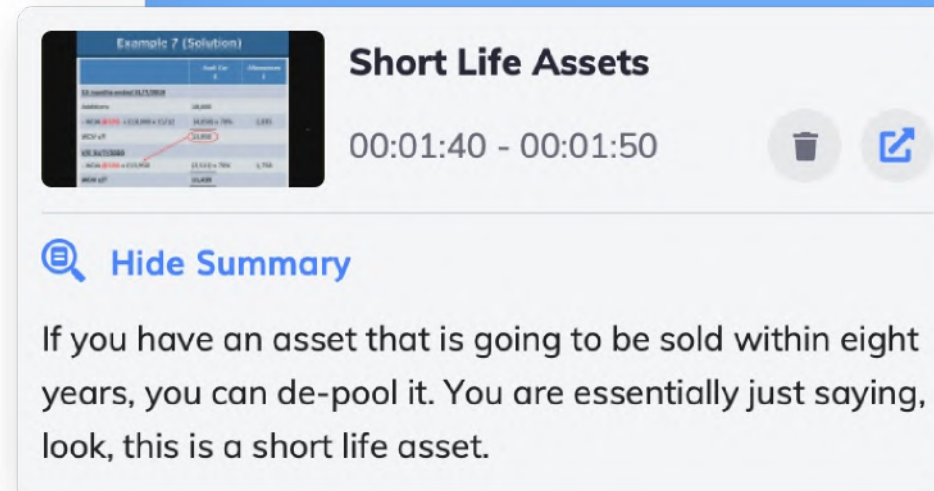
Added by:  Prof Smith

# What is Jamworks?

Jamworks is an accessible study application available on mobile and desktop with a number of unique features designed to assist disabled students with their learning, note-taking and revision.

Using features such as **clip-based highlighting**, **assisted note-taking**, **AI generated summaries** and **automatically generated revision quizzes**, Jamworks improves access and supports students to boost their confidence and enhance their learning experience when:

- Participating in lectures and seminars (in-person & remotely)
- Attending study meetings
- Rewatching lecture recordings
- Revising for assessments
- Conducting additional research



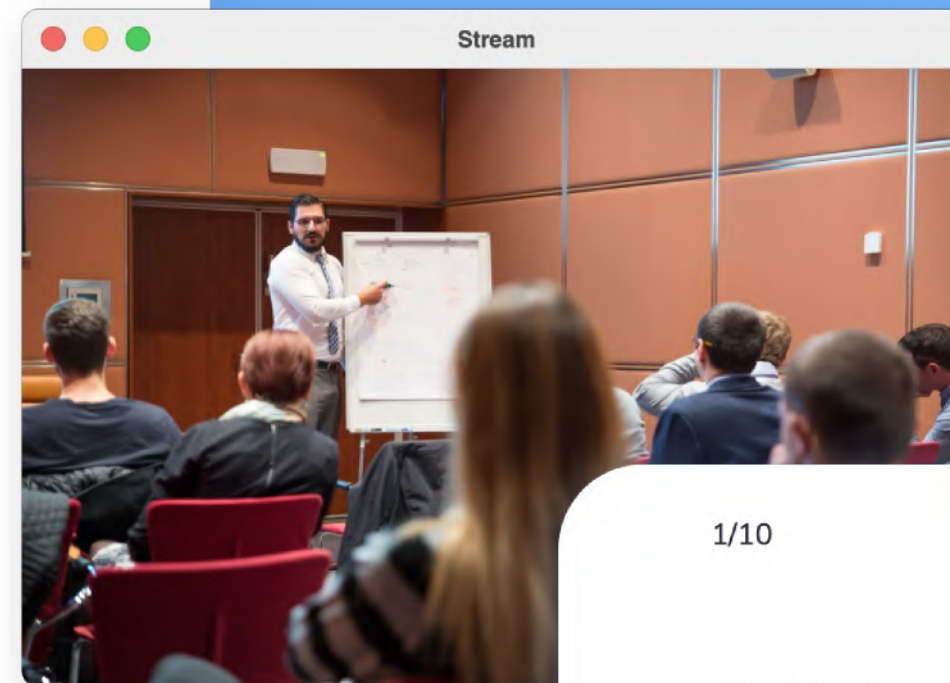
Example 7 (Solution)

### Short Life Assets

00:01:40 - 00:01:50

[Hide Summary](#)

If you have an asset that is going to be sold within eight years, you can de-pool it. You are essentially just saying, look, this is a short life asset.



1/10

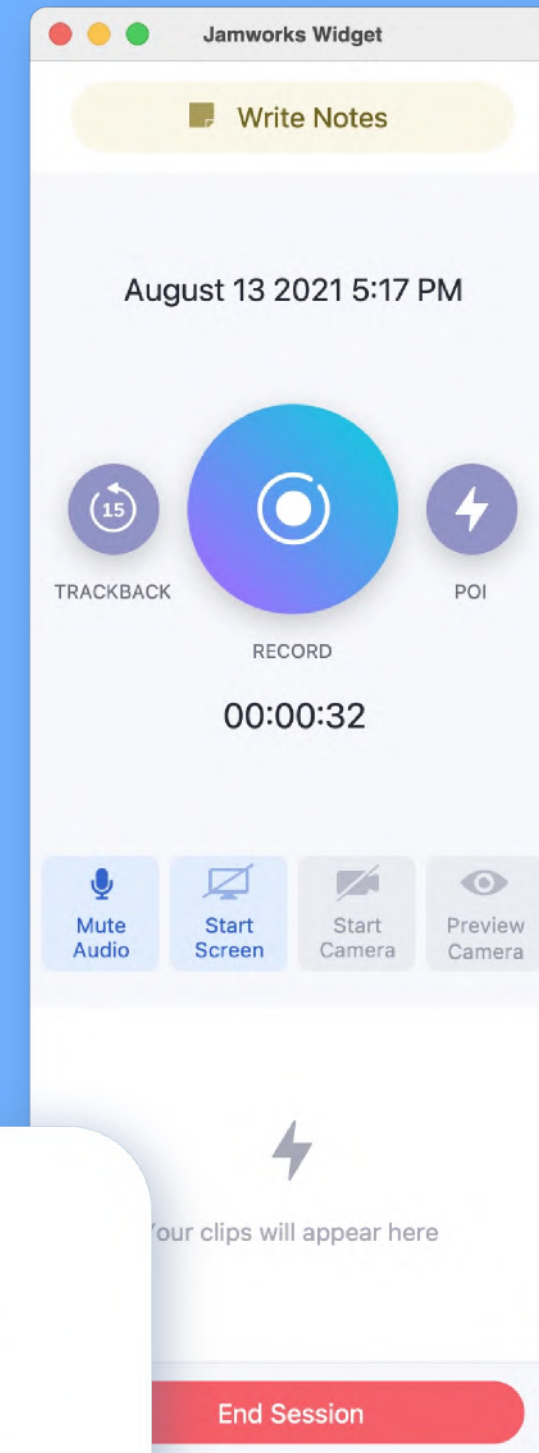
**What is the maximum length of an accounting period for which capital allowances can be claimed?**

**Answer: 18 months**

Summary: Capital allowances are based on the length of your accounting period, which cannot exceed 18 months. If your accounting period is longer than 18 months, your capital allowances will be increased proportionally.

[Hide answer](#) [Watch clip](#)

Next



Jamworks Widget

Write Notes

August 13 2021 5:17 PM

TRACKBACK

RECORD

00:00:32

POI

Mute Audio Start Screen Start Camera Preview Camera

four clips will appear here

End Session

# What is included when recommended?

## Mobile

Full access to the Jamworks mobile application on iOS and Android.



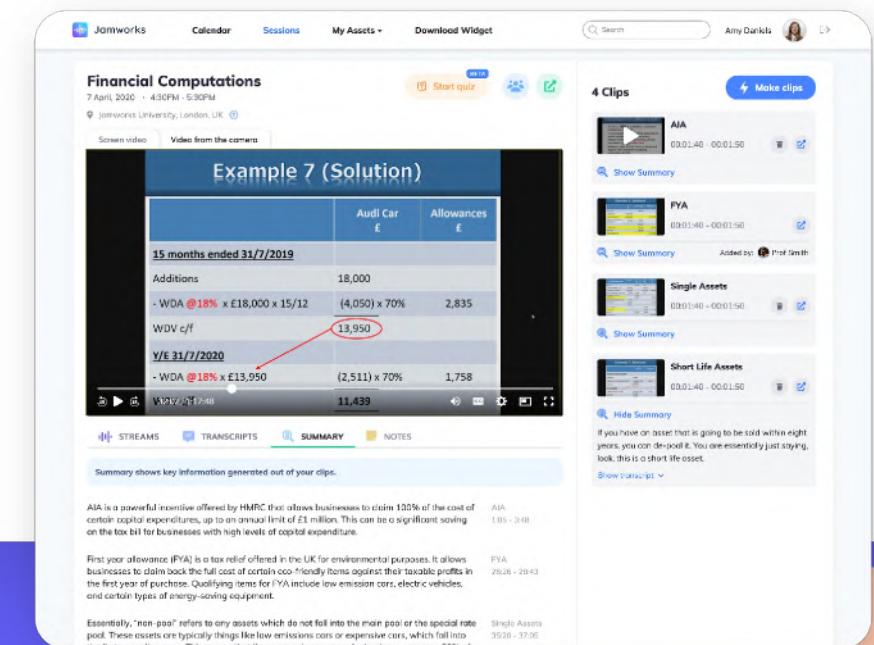
## Desktop

Full access to the Jamworks desktop application on MacOS and Windows.



## Web

Full access to the Jamworks web application on any platform.



# Who can benefit from Jamworks through the DSA?

## **Reading and writing difficulties**

Students with dyslexia, dyspraxia, dyscalculia and other specific learning difficulties

## **Mental health conditions**

Students with anxiety, depression, OCD, stress, ADHD/ADD, working memory difficulty and other mental health conditions

## **Motion and dexterity**

Students who have difficulty with motion and dexterity skills

## **Hearing impaired**

Students who are deaf or have hearing impairments

# Reading and writing difficulties

*Students with dyslexia, dyspraxia, dyscalculia and other specific learning difficulties*

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## Areas that Jamworks can help with:

- Slow and labour-intensive writing or typing
  - Difficulty listening and writing or typing at the same time
  - Problems with spelling, which makes written notes challenging to comprehend
  - Difficulty handwriting
  - Difficulty summarising information
  - Deficit in working memory
  - Deficit in concentration
- 

## Jamworks functionality that helps:

- Clip-based highlighting
- Assisted note-taking / note summarisation
- Automatically generated revision quizzes
- Custom size, colour and background colour of text

# Mental health conditions

*Students with anxiety, depression, OCD, stress, ADHD/ADD, working memory difficulty and other mental health conditions*

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## Areas that Jamworks can help with:

- Deficit in working memory
  - Deficit in concentration
  - Anxiety around missing important information
  - Cognitive load difficulties
  - Feeling overwhelmed by large amounts of text
  - Difficulty multitasking
  - Difficulty organising study materials and structuring revision
- 

## Jamworks functionality that helps:

- Clip-based highlighting
- Assisted note-taking / note summarisation
- Automatically generated revision quizzes
- Custom size, colour and background colour of text

# Motion and dexterity

Students who have difficulty with motion and dexterity skills

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## Areas that Jamworks can help with:

- Difficulty or inability to write or type
  - Difficulty handwriting
- 

## Jamworks functionality that helps:

- Clip-based highlighting
- Assisted note-taking / note summarisation
- Automatically generated revision quizzes

# Hearing impairment

Students who are deaf or have hearing impairments

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## Areas that Jamworks can help with:

- Difficulty or inability to interpret the spoken word
  - Captions provided by University are not customisable or downloadable
  - Captions are only provided for pre-recorded, planned media
  - Feelings of stress and anxiety while waiting for the university to provide transcripts and captions
- 

## Jamworks functionality that helps:

- Transcripts
- Live captions
- Automatically generated revision quizzes
- Assisted note-taking / note summarisation



# How does Jamworks help?

Example justifications for different disabilities



# Dyslexia

This student has dyslexia and experiences difficulty writing or typing notes in lectures and seminars. They find it difficult to listen and write at the same time, and struggle to keep up with the speed at which their instructor delivers information. They also experience problems with spelling and visual stress, which makes it more difficult to comprehend their notes when it comes to further study and revision.

This student will, therefore, need assistive tech to support their learning, note-taking and revision.

Jamworks Notes will enable this student to create bite-sized audio/video clips and AI generated notes automatically. This will reduce stress and anxiety in class, allowing them to focus and participate. The Trackback button will help this student jump back in time to record audio/video clips and automatically generated notes of anything they miss while experiencing lapses of concentration.

Their learning will be enhanced by automatic summarisation of their highlighted clips along with automatically generated flashcards to help structure their revision efforts more effectively. They will be able to customise the size, colour and background colour of all texts to support the readability of notes, summaries and revision quizzes.

There are other slightly cheaper DSA products that can help with note taking but they are limited to the manual creation of audio notes or speech to text notes. They do not take advantage of recent advances in AI to make the notes more accessible, interactive and useful for this student.

Jamworks Notes' hands-free AI features will empower this student to automatically generate a perfect set of text notes, a playlist of audio/video notes and an interactive set of revision flashcards from every class, without having to worry about manually operating the software. This will significantly reduce stress and anxiety levels during class, enabling them to focus and be more present in the moment. It will also overcome dyslexia related barriers associated with turning notes into effective study materials such as flashcards, because this will be done for them automatically in the Jamworks Notes application.

Additionally, because Jamworks trains AI chatbots on each specific recording, this student will be able to explore topics of interest in a personalised way and ask repeated questions about things they don't understand without fear of embarrassment in front of the class or their tutor.

Overall, Jamworks makes use of the latest advancements in AI for accessibility to remove barriers to participation, note taking, revision and comprehension in a way that justifies its higher price point compared to some other products.

# Anxiety

## Challenge

This student experiences anxiety and finds it difficult to take notes and follow events due to fluctuations in their concentration and attention. They find it difficult to follow spoken discussion and experience heightened anxiety and stress related to the fear of missing out on information. They also experience problems when trying to revise as their notes are often incomplete and they can feel overwhelmed when trying to organise and structure their studies.

This student will, therefore, need assistive tech to support their learning, note-taking and revision.

Jamworks Notes will enable this student to create bite-sized audio/video clips and AI generated notes automatically. The Trackback button will help this student jump back in time to record audio/video clips and automatically generated notes of anything they miss while experiencing lapses of concentration. This will help them avoid feelings of stress and anxiety in class.

Their learning will be enhanced by automatic summarisation of their highlighted clips along with automatically generated revision quizzes to help structure their revision efforts more effectively.

There are other slightly cheaper DSA products that can help with note taking but they are limited to the manual creation of audio notes or speech to text notes. They do not take advantage of recent advances in AI to make the notes more accessible, interactive and useful for this student.

Jamworks Notes' hands-free AI features will empower this student to automatically generate a perfect set of text notes, a playlist of audio/video notes and an interactive set of revision flashcards from every class, without having to worry about manually operating the software. This will significantly reduce stress and anxiety levels during class, enabling them to focus and be more present in the moment. It will also overcome anxiety related barriers associated with turning notes into effective study materials such as flashcards, because this will be done for them automatically in the Jamworks Notes application.

Additionally, because Jamworks trains AI chatbots on each specific recording, this student will be able to explore topics of interest in a personalised way and ask repeated questions about things they don't understand without fear of embarrassment in front of the class or their tutor.

Overall, Jamworks makes use of the latest advancements in AI for accessibility to remove barriers to participation, note taking, revision and comprehension in a way that justifies its higher price point compared to some other products.

# ADHD

## Challenge

This student has ADHD and experienced difficulty taking notes and following study events due to fluctuations in their concentration and attention. They find it difficult to follow spoken discussion and experience anxiety and stress related to the fear of missing out on information. They also experience problems when trying to revise as their notes are often incomplete and they can feel overwhelmed when trying to organise and structure their studies.

This student will, therefore, need assistive tech to support their learning, note-taking and revision.

## Use Case

Jamworks will enable this student to create bite-sized video clips and AI generated notes at the touch of a button. The Trackback button will help this student jump back in time to record video clips and automatically generated notes of anything they miss while experiencing lapses of concentration. This will help them avoid feelings of stress and anxiety in class. Jamworks also provides a specific ADHD accessibility profile, which focusses concentration on specific areas of your screen while reviewing content and avoids distractions.

Their learning will be enhanced by automatic summarisations of their highlighted clips along with automatically generated revision quizzes to help structure their revision efforts more effectively.

Jamworks Notes will enable this student to create bite-sized audio/video clips and AI generated notes automatically. The Trackback button will help this student jump back in time to record audio/video clips and automatically generated notes of anything they miss while experiencing lapses of concentration. This will help them avoid feelings of stress and anxiety in class. Jamworks also provides a specific ADHD accessibility profile, which focuses concentration on specific areas of the screen while reviewing content and avoids distractions.

Their learning will be enhanced by automatic summarisation of their highlighted clips along with automatically generated revision quizzes to help structure their revision efforts more effectively.

There are other slightly cheaper DSA products that can help with note taking but they are limited to the manual creation of audio notes or speech to text notes. They do not take advantage of recent advances in AI to make the notes more accessible, interactive and useful for this student.

Jamworks Notes' hands-free AI features will empower this student to automatically generate a perfect set of text notes, a playlist of audio/video notes and an interactive set of revision flashcards from every class, without having to worry about manually operating the software. This will significantly reduce stress and anxiety levels during class, enabling them to focus and be more present in the moment. It will also overcome ADHD related barriers associated with turning notes into effective study materials such as flashcards, because this will be done for them automatically in the Jamworks Notes application.

Additionally, because Jamworks trains AI chatbots on each specific recording, this student will be able to explore topics of interest in a personalised way and ask repeated questions about things they miss due to inattention or don't understand without fear of embarrassment in front of the class or their tutor.

Overall, Jamworks makes use of the latest advancements in AI for accessibility to remove barriers to participation, note taking, revision and comprehension in a way that justifies its higher price point compared to some other products.

# Physical Disability

## Challenge

This student has a physical disability leading to manual dexterity issues which make it difficult for them to write or type notes at speed during lectures and seminars. They experience problems when trying to revise as their notes are often incomplete or difficult to comprehend.

This student will, therefore, need assistive tech to support their learning, note-taking and revision.



Jamworks Notes will enable this student to create bite-sized audio/video clips and AI generated notes automatically. This will help them avoid feelings of stress and anxiety in class, allowing them to focus and participate.

Their learning will be enhanced by automatic summarisation of their highlighted clips along with automatically generated quizzes to help structure their revision efforts more effectively.

There are other slightly cheaper DSA products that can help with note taking but they are limited to the manual creation of audio notes or speech to text notes. They do not take advantage of recent advances in AI to make the notes more accessible, interactive and useful for this student.

Jamworks Notes' hands-free AI features will empower this student to automatically generate a perfect set of text notes, a playlist of audio/video notes and an interactive set of revision flashcards from every class, without having to worry about manually operating the software. This will significantly reduce stress and anxiety levels during class, enabling them to focus and be more present in the moment. It will also overcome the physical barrier of turning notes into effective study materials such as flashcards, because this will be done for them automatically in the Jamworks Notes application.

Additionally, because Jamworks trains AI chatbots on each specific recording, this student will be able to explore topics of interest in a personalised way and ask repeated questions about things they don't understand without fear of embarrassment in front of the class or their tutor.

Overall, Jamworks makes use of the latest advancements in AI for accessibility to remove barriers to participation, note taking, revision and comprehension in a way that justifies its higher price point compared to some other products.

# Hearing Impairment

## Challenge

This student has a hearing impairment and has difficulty consuming information in a spoken format during lectures, seminars, study meetings and from online study materials. They may experience stress and anxiety when waiting for their university to provide captioned learning content and may miss out on valuable information at times when captioning is not provided by their institution. Any captions provided by their institution will not be customisable or downloadable, which limits their accessibility.

This student will, therefore, need assistive tech to support their learning, note-taking and revision.

## Use Case

Jamworks will enable this student to access accurate, customisable and downloadable live captioning during lectures, seminars, study meetings and when using online study materials. This will enhance and personalise their learning experience, allowing them to access learning on their own terms.

Jamworks will also enable this student to create bite-sized video clips and speech-to-text notes at the touch of a button. This will help them avoid feelings of stress and anxiety in class, allowing them to focus and participate. They will also receive full, customisable and downloadable transcripts of every session they record. Their learning will be enhanced by automatic summarisations of their highlighted clips along with automatically generated revision quizzes to help structure their revision efforts more effectively – all in a visual format accessible to this student and their learning needs.

Jamworks Captions will enable this student to access accurate, customisable and downloadable live captions during lectures, seminars, study meetings and when using online study materials. Jamworks Captions works in-person and online, on their phone or their laptop. This will enhance and personalise their learning experience, allowing them to access learning on their own terms.

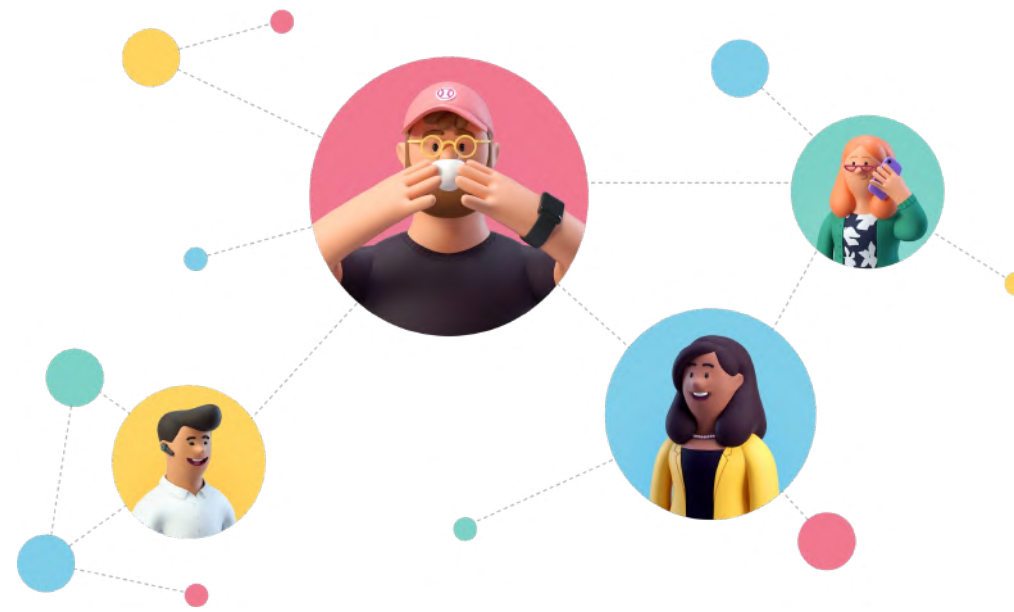
Jamworks will also enable this student to create bite-sized subtitled video clips and speech-to-text notes automatically. This will help them avoid feelings of stress and anxiety in class, allowing them to focus and participate. They will also receive full, customisable and downloadable transcripts of every session they record. Their learning will be enhanced by automatic summarisation of their highlighted clips along with automatically generated revision quizzes to help structure their revision efforts more effectively – all in a visual format accessible to this student and their learning needs.

There are other DSA products that handle transcription, captioning and note taking but they do not take advantage of recent advances in AI to make the notes more accessible, interactive and useful for this student.

Jamworks Captions' hands-free AI features will empower this student to automatically generate a perfect set of text notes, a playlist of subtitled video notes and an interactive set of revision flashcards from every class, without having to worry about manually operating the software. This will significantly reduce stress and anxiety levels during class, enabling them to focus and be more present in the moment.

Additionally, because Jamworks trains AI chatbots on each specific recording, this student will be able to explore topics of interest in a personalised way and ask repeated questions about things they don't understand without fear of embarrassment in front of the class or their tutor.

Overall, Jamworks makes use of the latest advancements in AI for accessibility to remove barriers to participation, note taking, revision and comprehension in a way that justifies its higher price point compared to some other products.



**Thanks!**

If you have any questions please contact

[dsa@jamworks.com](mailto:dsa@jamworks.com)