

Real Time Identification in Crowds

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Rhodes University

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Predator[1]



Predator [1]



Why the TLD approach?



Why the TLD approach?

✦ Fast and Lightweight



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- ✚ Fast and Lightweight
- ✚ No prior “training”
- ✚

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- ✦ No prior “training”
- ✦ Learns quickly
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Why the TLD approach?

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- ✦ No prior “training”
- ✦ Learns quickly
- ✦ Synergy with recognition
- ✦ Generic

Further applications

Further applications




Class
Register?

Further applications


A red, cloud-like shape with a double outline, containing the text "Class Register?".

Class
Register?


A blue, cloud-like shape with a double outline, containing the text "Assitive technologies?".

Assitive
technologies?


Further applications



Class
Register?




Assitive
technologies?




Airport
security?


Further applications




Class
Register?



Monotoring
animals?



Assitive
technologies?



Airport
security?

Further applications

Class
Register?

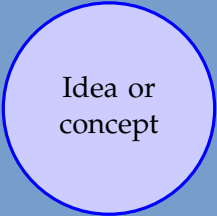
...?

Monotoring
animals?

Assitive
technologies?

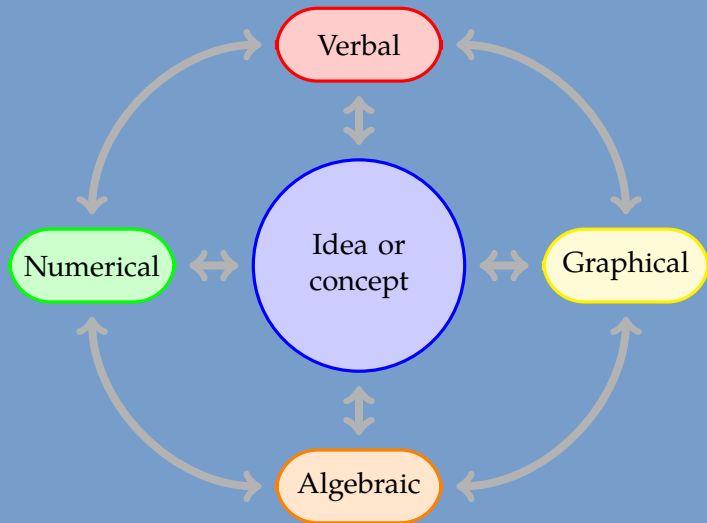
Airport
security?

Rule of four



Idea or
concept

Rule of four



Workflow

Disability
Services
Office



Workflow

```
graph LR; A[Disability Services Office] --> B[accessible electronic file];
```

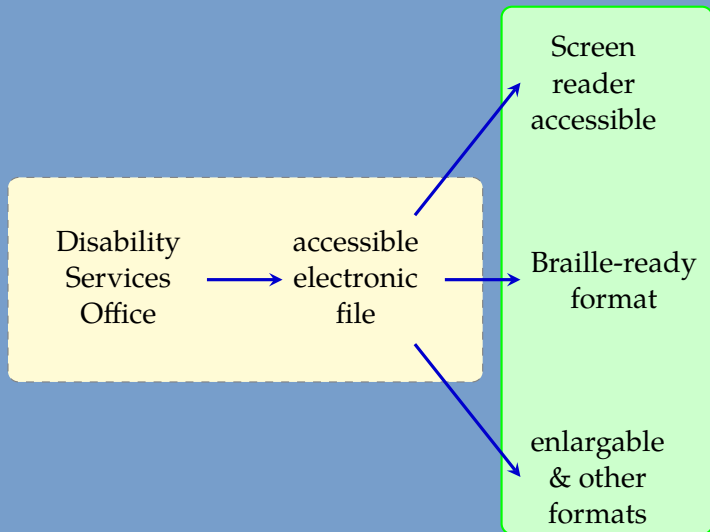
Disability
Services
Office

→

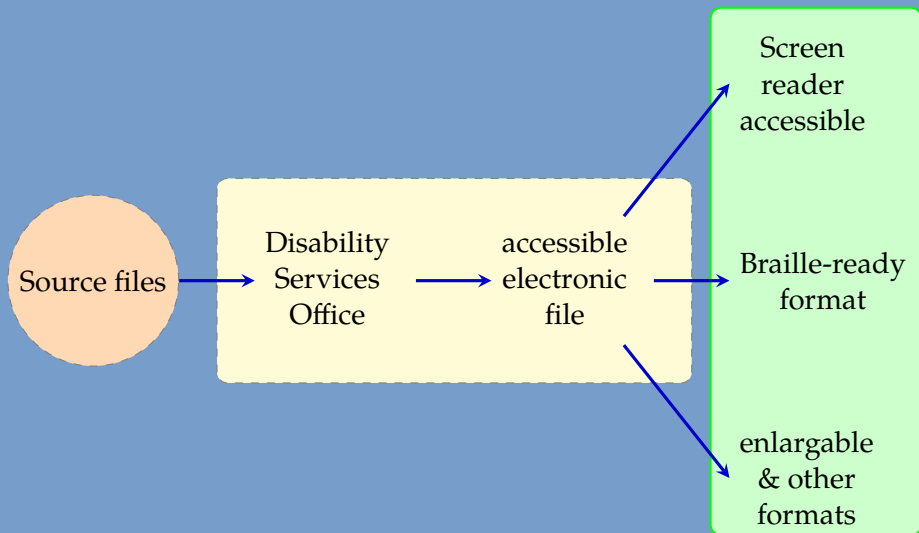
accessible
electronic
file

The diagram illustrates a workflow starting from the Disability Services Office, which leads to the creation of an accessible electronic file. The process is contained within a yellow dashed box, and a large green box is positioned to the right.

Workflow



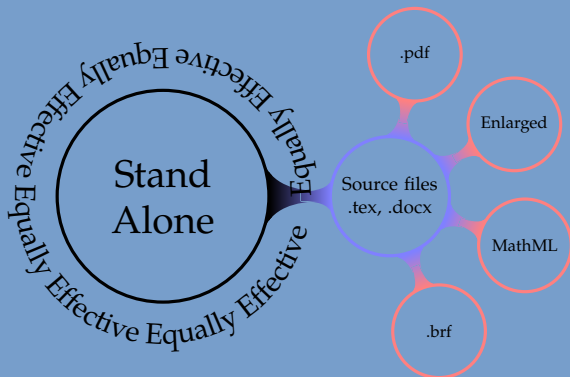
Workflow



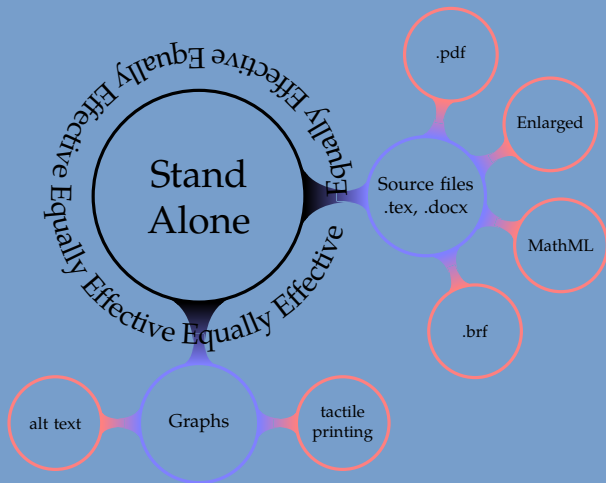
Stand alone concept



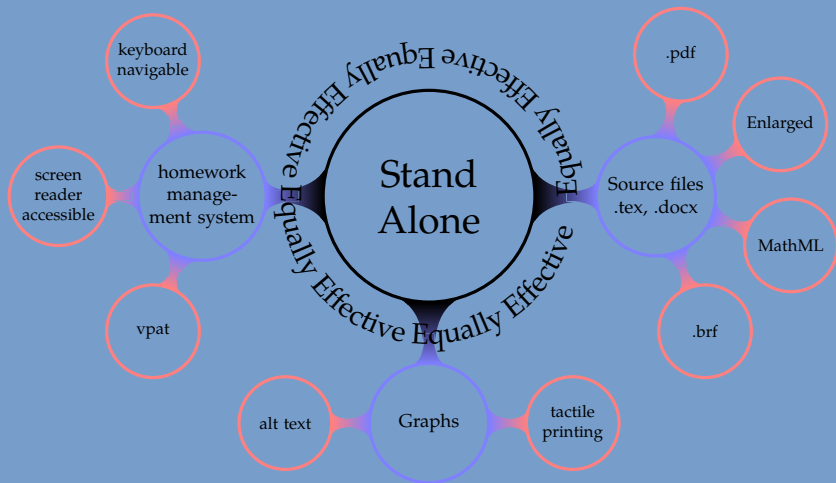
Stand alone concept



Stand alone concept



Stand alone concept



What stands alone?

What stands alone?

- ✠ MS Word with MathType
- ✠ L^AT_EX
- ✠ LibreOffice
- ✠ Scientific Notebook
- ✠ Graphs
- ✠ Prepared lecture notes
- ✠ Desire2Learn
- ✠ WeBWorK
- ✠ Videos

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MyMathLab

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MyMathLab

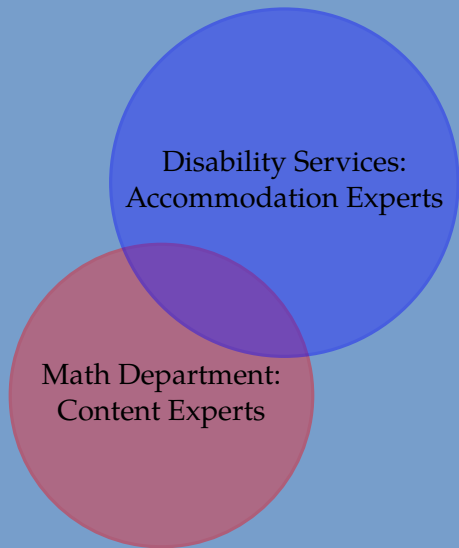
- ✦ MS Word OMML
- ✦ PowerPoint
- ✦ TestGen
- ✦ GeoGebra applets
- ✦ Flash-based applets
- ✦ Other media

Collaboration is key

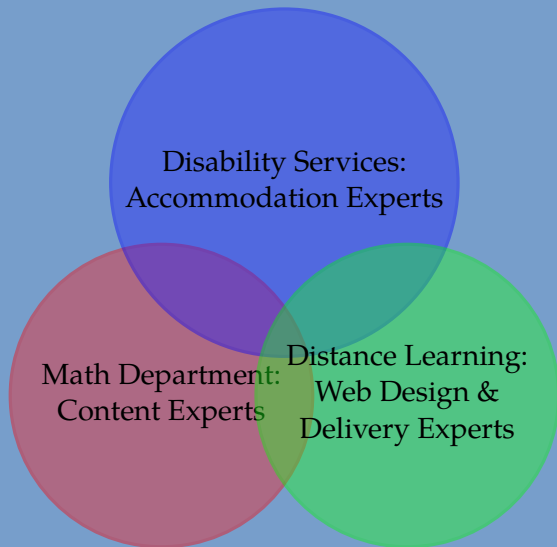


Math Department:
Content Experts

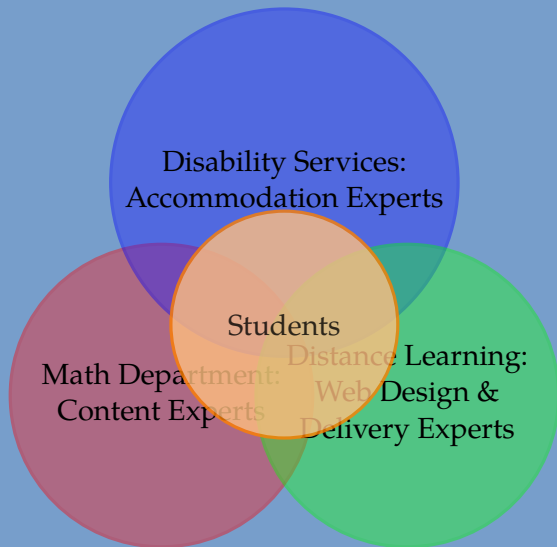
Collaboration is key



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Collaboration is key



References

- [1] Z. Kalal, “Predator - tracker that learns and improves,” Youtube. (2011), [Online]. Available: <https://www.youtube.com/watch?v=1GhNXHCQGSM>.