

Barnsley Assistive Technology Team

Maavis@School

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 - open source software advisory service



The
University
Of
Sheffield.

Barnsley Hospital



NHS Foundation Trust



IT without knowing about IT

- **Moderated Access to Audio Visual Services**
- i.e: a simplified computer interface
- Developed to become a platform, be flexible and sustainable (more later)

- Potential population excluded from the benefits of information technology
- People with dementia; older people; children with special educational needs.
- Design challenge : create more intuitive access to IT services
- Research challenge: can we show a benefit to use of this technology?

- Maavis emerged from a previous small project
 - provision of IT within residential care homes
 - Sheffield's largest residential care home
 - small scoping project in school
- Study
 - research into benefits of provision of systems
 - usability study into design of system

Maavis@School :: Requirements and technology choice



- Communications + media = web
- Easily acquired skills, common = web
- Without internet + privileges = rich client
- Open source platform = plenty of choice
- All of above = **Mozilla** as used in Firefox
 - Very well tested
 - Great community, cross platform
 - Some experience with Jambu

Maavis@School :: Development and Technology



- Designed for multiple engagement levels
 - User – simple UI
 - Non technical facilitator – copy files, UI
 - Technical facilitator – create/edit 'web pages'
 - Core developer – extend platform
 - Future - Plug-ins extend community
- Mozilla XUL platform + VLC media player
- Outfox server – provides more flexibility – Skype



Maavis@School ::

Open Source Development Model

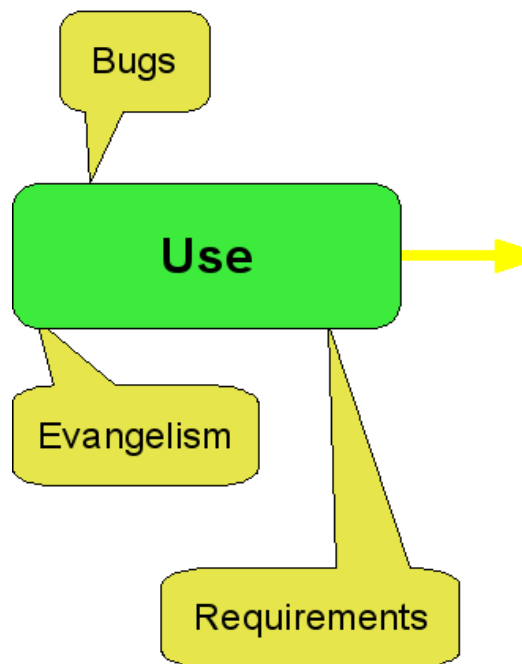


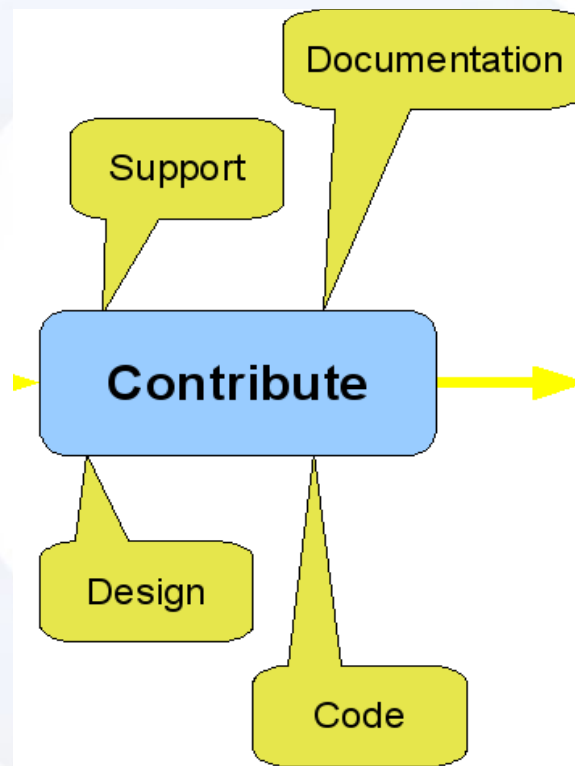
- OSS Watch advise on open dev.
 - Low cost to users
 - Community of users and developers
 - Innovation & sustainability
 - Exploitation - regional development
 - “Freedom to discuss plans with anyone”
- Development forge - open access

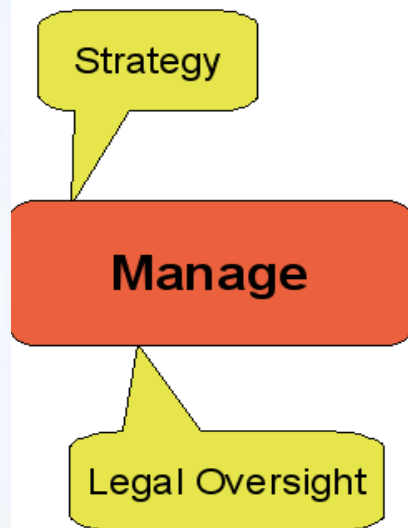


JISC

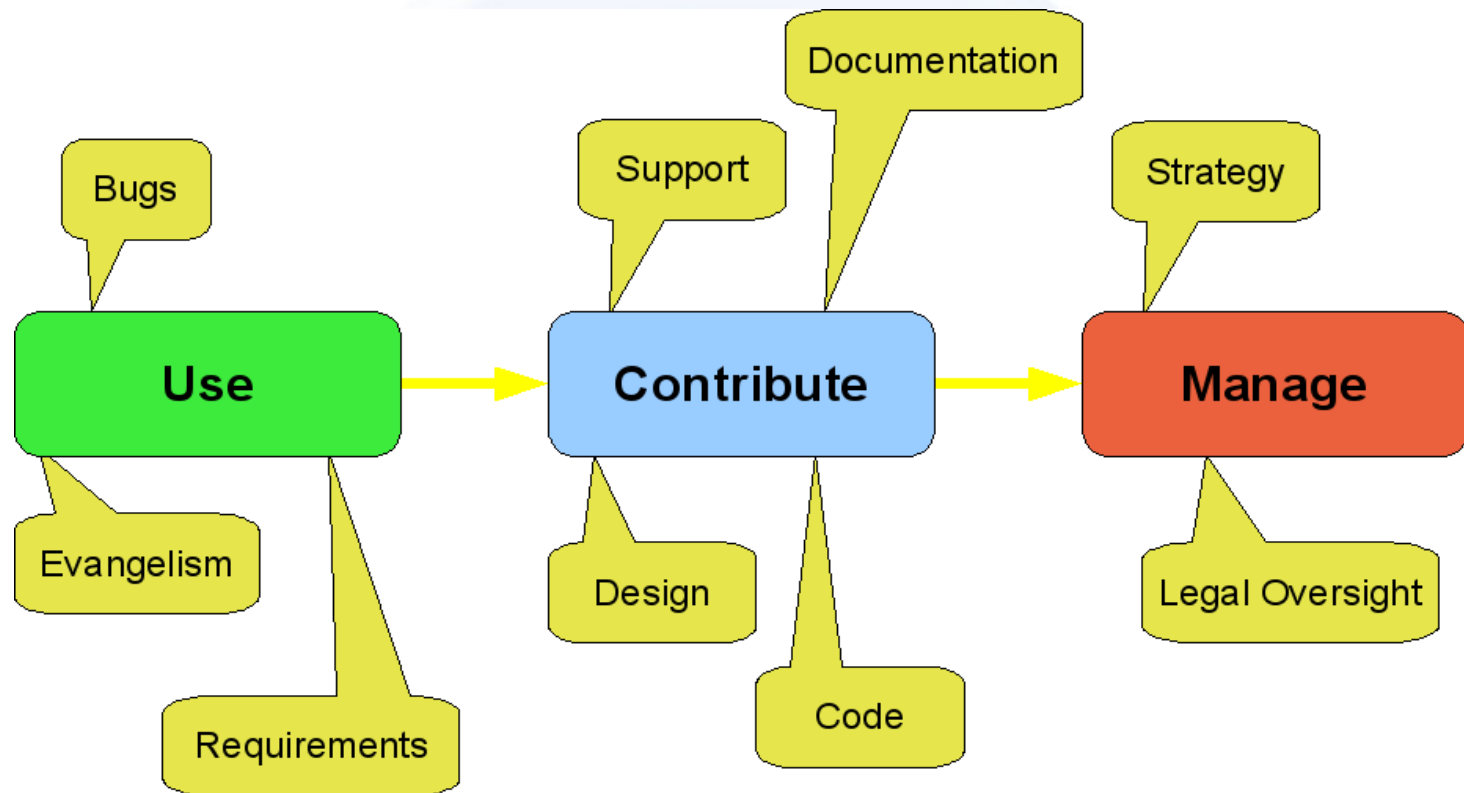
SS Watch







JISC





<http://oss-watch.ac.uk>



JISC

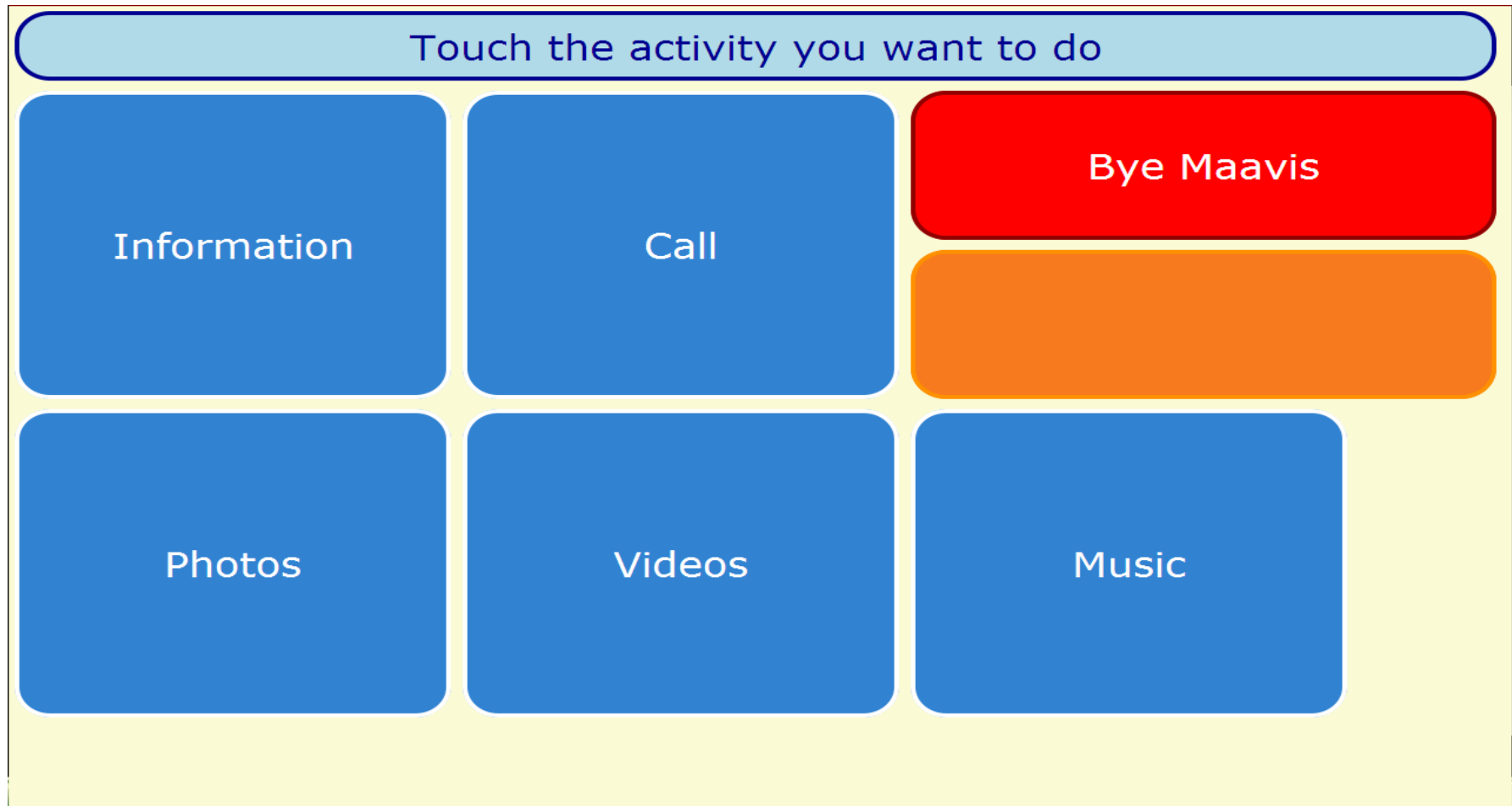
- Small study
 - 3 special schools in S Yorkshire, term long trial
- user requirements scoping exercise
 - software development
- Trial:
 - Provision of system to children meeting recruitment criteria in 3 special schools

- Measuring impact of provision (and improved independent access to IT)
 - Qualitative data from teachers, students
 - Qualitative data from analysis of video evidence
 - Quantitative data from pre&post intervention assessments

Maavis@School :: User Requirements & Implementation

- Features of Maavis
- New features specific to SEN
 - Switch access with scanning
 - Simple Log-in pages

Maavis@School :: Top level screen



Maavis@School :: Photo collection chooser

Touch the album you want to look at



Cats and Dogs



Events

Other things to do



Flowers



Places

Maavis@School :: Photo slideshow viewer

Watch Slideshow



Change Photos



Play



Back



Next

Maavis@School :: Info (web) viewer

Look at or read things

Search NHS Direct

Popular searches

Go

NHS Direct

www.nhsdirect.nhs.uk

Digital TV

Telephone 0845 4647

Available 24 hours

About us

Contact us

Glossary

Guide to this website

Accessibility

Home

Foundation Trust

Health encyclopaedia

Common health questions

Self-help guide

Find a local health service

Mind & body magazine

Send a health enquiry

Useful links

**Missed a pill?
Had unprotected sex?
Contraception failed?**

Get advice, support and information in our emergency

Call NHS Direct on 0845 4647

We're here to offer you health advice 24 hours a day, 365 days a year

Health encyclopaedia

Find out about conditions, symptoms, tests, treatments, operations and services

Self-help guide

Get advice on treating common health problems at home

1 Choose A-Z or

2 Answer YES/NO

3 Follow advice

Common health questions

Answers to hundreds of your common health questions

Foundation Trust

Smaller

Bigger

Previous page

Change Info

Up

Down

Left

Right

- Project team believe Maavis has great potential
 - Use in many 'sectors' to provide accessibility for people otherwise excluded from IT
- Unique in several senses
 - Functionality
 - Platform choice and flexibility
 - Evidence based
 - Can be used as a platform for other things, e.g. tele-health

- Several other bids using Maavis
 - Nominet – internet delivery of content
 - Knowledge Transfer – deployment and training resources within FE
 - Exploitation bids

- Maavis is designed to simplify access to IT
- Potential across a number of applications
- Small study looking at benefits within special schools
- Unique and flexible architecture and technology
- Ripe for further potential
- Open Source

Maavis@School:: User Requirements & Implementation

Join Maavis

<http://maavis.fullmeasure.co.uk>