Facilitating Dynamic Schedules for Healthcare Professionals

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Healthcare Professionals

• Healthcare Professionals
  • Dynamic schedules
  • Emerging tasks
  • Shifting priorities
  • Interruptions
  • Mobility
  • Collaboration
• Common Approach
  • Static paper or whiteboard-based to-do lists
    • Time consuming to carefully consider and produce
    • Difficult to manage
    • Do not adapt or reorganise

Hospital Environment

Today

The future

• Assumptions
  • Mobile Devices
  • Network Connectivity
  • Electronic Medical Records
  • Human Resource Management

Application Scenario

0700 hrs
Arrives at work
0800 hrs
Activates Personal Mobile Device

1200 hrs
1300 hrs
4
Continues Routines

Hermes Framework

• Generic components containing structure and behaviour
• Extension points for custom behaviour
• Addresses
  • Trail Generation
  • Context Management
  • Collaboration

Healthcare App

Context Management

Modeling
Context Container
GIS
Trails
TRAIL
Activity
Route
Order

Collaboration

Trust
Privacy
Acquisition
Sharing
Communications

Trails

• A trail is a collection of activities +
  • contextual information
  • a context-based visiting order
  • a context-sensitive route between locations

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