Monitoring for Non Coders

**Challenge**
- Capture of Timed and Temporal Requirements
- Natural Language Like
- Automatic Monitoring

**Innovation**
Innovative ergonomic rules oriented language for timed requirements
Monitoring engine to notify their violations

**Applications**
- Smart Mold (Pernoud S.A.)
- Simulated Nuclear Plant Components (EDF)
- 3D Game Surviving Rules (Ecole 42, Strate Ecole de Design)

**Example (Game Rule)**

\[
\text{req\_hydration: If the avatar gets dehydrated then its heart rate should remain under 150bpm until its hydration is restored within 120s.}
\]

\[
\text{if (rise of (hydration < hyd\_low)) then } \left( \text{if (heart\_rate < 150) Until \left[ 0,120 \right) (hydration = hyd\_safe)} \right) \]

**Benefits**
- Lightweight, Embeddable
- Easy expression/modification/re-use of rules
- For non coders/system-engineers/specifiers

**Perspectives**
- Medicine, Sports, Army, Robotics, Gaming, IoT, Big Data.
- Industrialization of a Monitoring Wristlet (Ecole 42, Strate Ecole de Design)

**Contact**

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