

Virtual Reality Lifelog Explorer

A Prototype for Immersive Lifelog Analytics

Aaron Duane
Björn Thór Jónsson
Cathal Gurrin



Motivation for Virtual Reality

- Virtual, Augmented and Mixed reality platforms will become more and more ubiquitous
- Virtual reality is the lowest bearing fruit technologically
- A mixed reality platform would have strong synchronicity with multi-faceted lifelog data

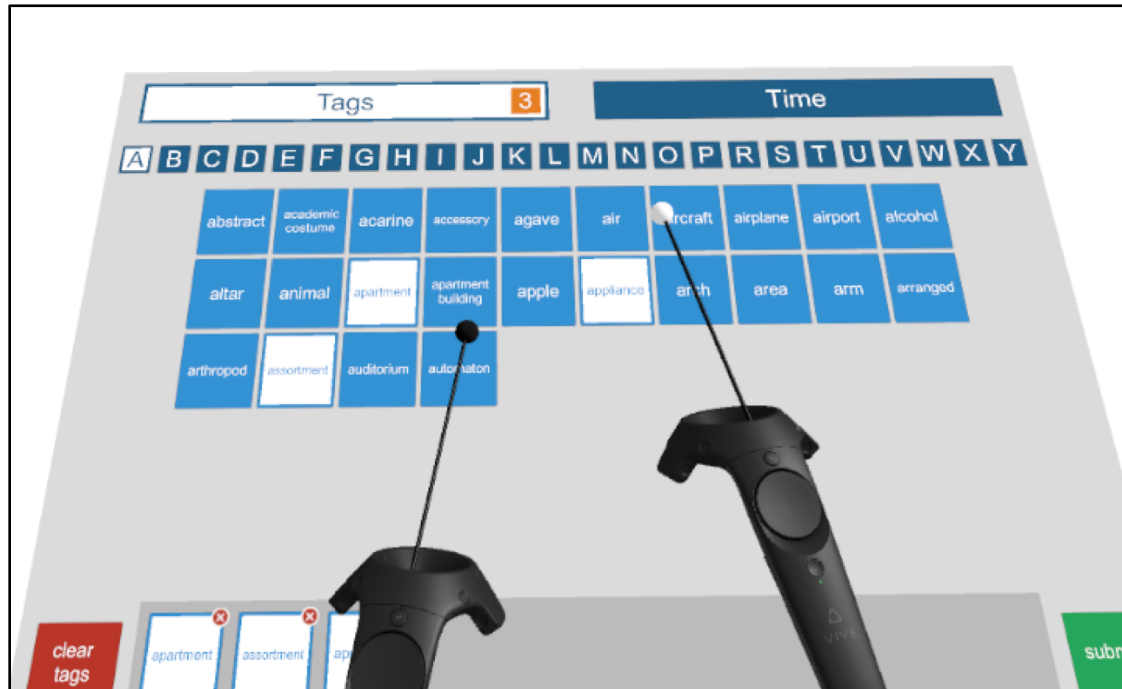


Exploring Lifelog Data in a Virtual Environment

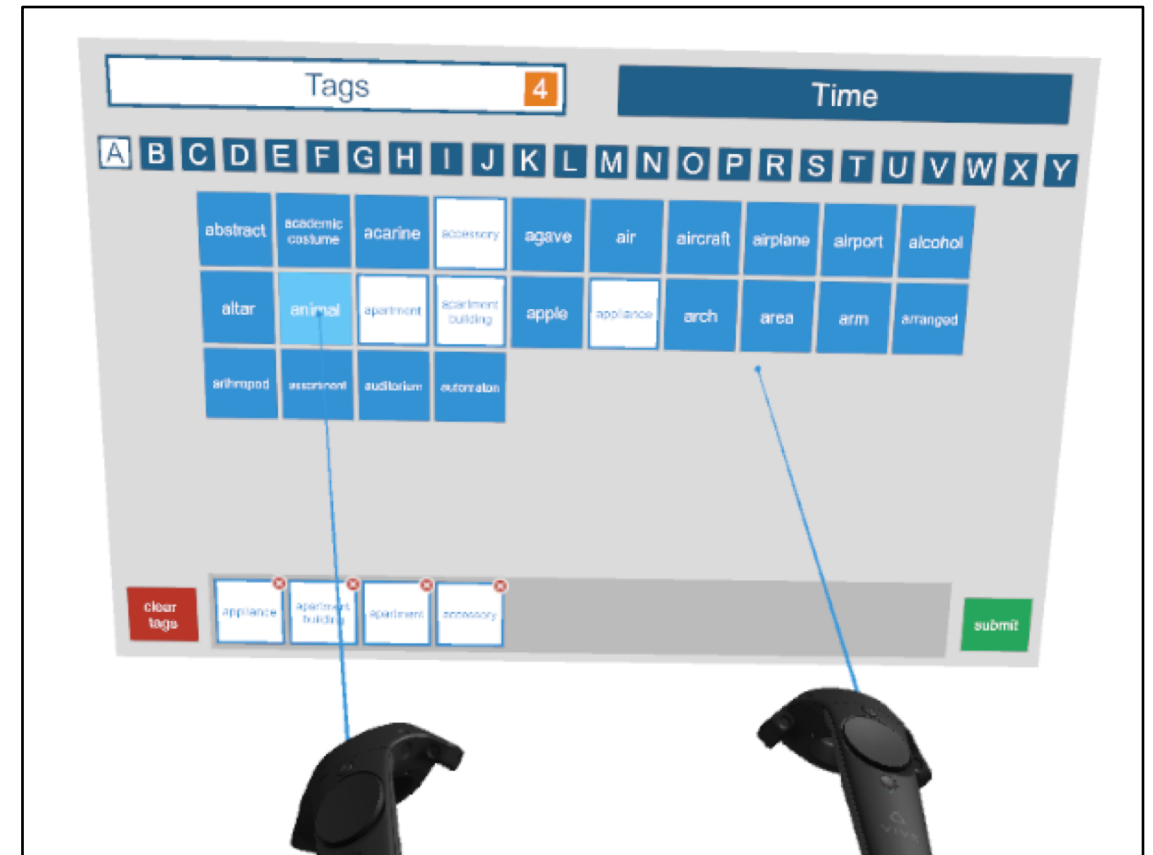
- Gesture-based virtual interface for lifelog query generation using HTC Vive
- Primarily concept-based lifelog retrieval system with some temporal filtering
- Intended goal is to create comprehensive retrieval system using all data released in the NTCIR-13 dataset



Gesture Input Methodologies

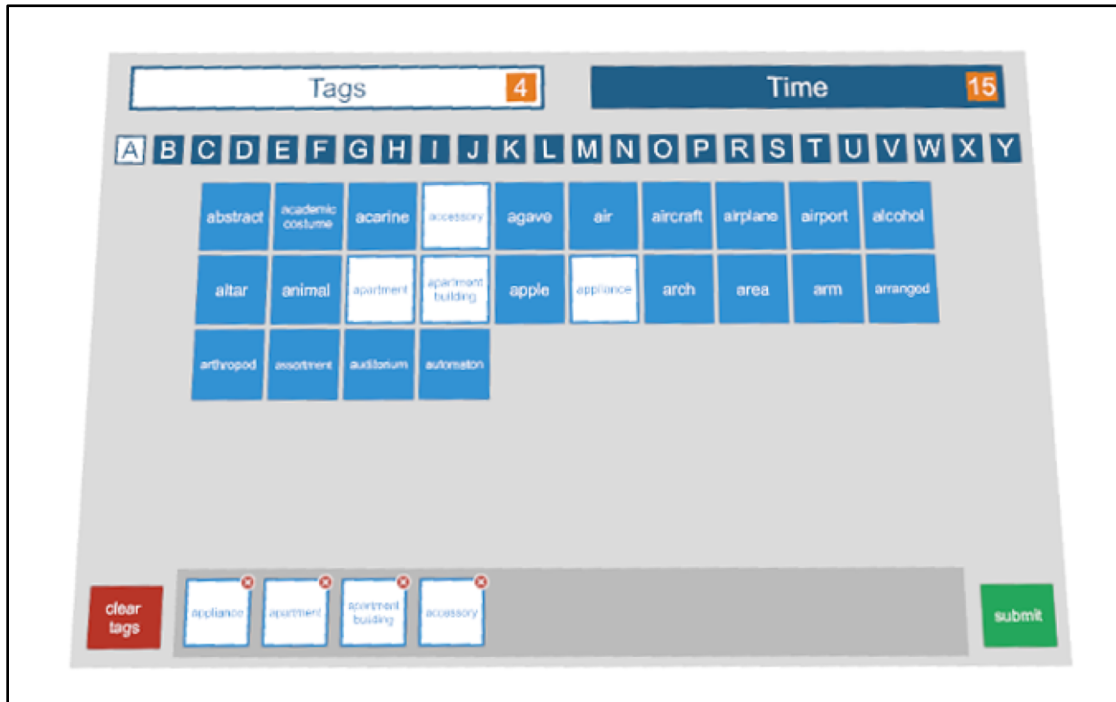


Contact

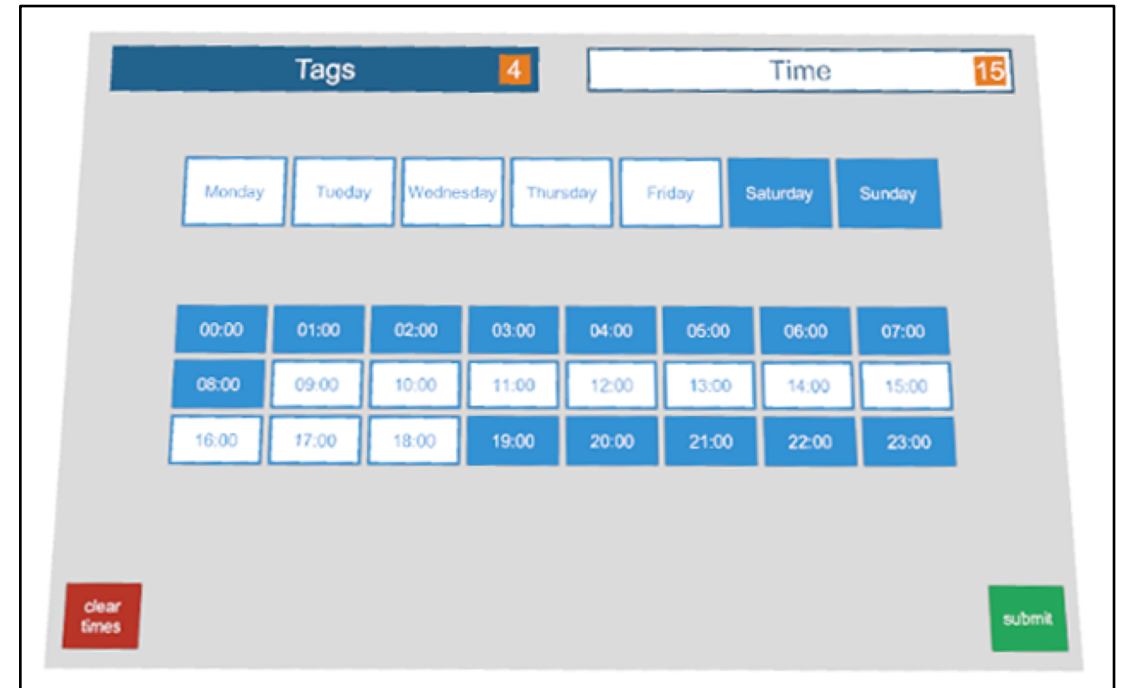


Distance

Filter Querying System



Concepts



Times

Virtual Query Result Exploration



Events



Context

Questions & Demo



Dr. Aaron Duane

*IT University of Copenhagen,
Copenhagen, Denmark*

aadu@itu.dk

Demo Link: <https://www.youtube.com/watch?v=z95HAaaGojA>