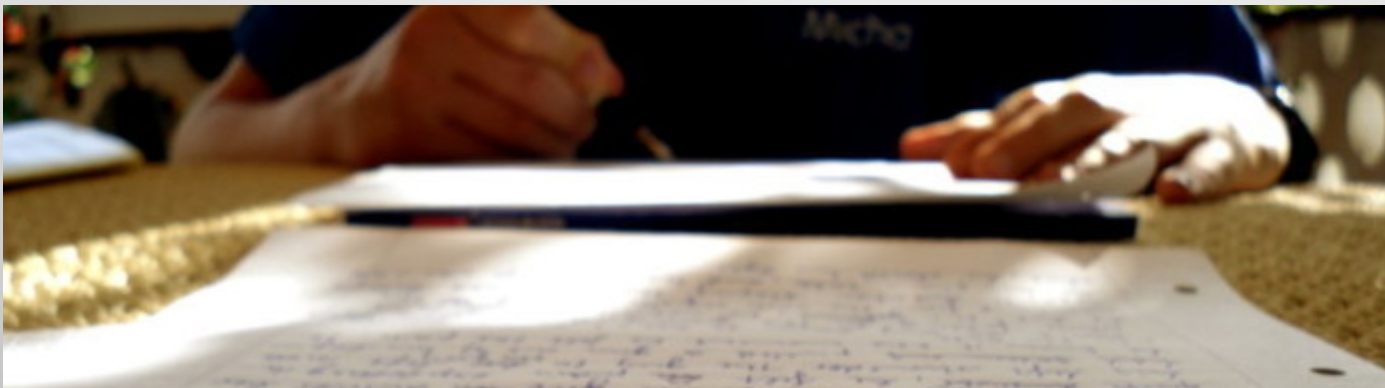# ARGUMENT

TOOLS THAT EXCITE LEGAL PROFESSIONALS

(AND MANY OTHERS)

WHAT'S THE PROBLEM?

- LEGAL PROFESSIONALS WHO DO THEIR HOMEWORK WIN MORE CASES.

- WHY IS CONSTRUCTING AN ARGUMENT SO MUCH WORK?

  - LOOK UP LAWS AND EARLIER LAWSUITS;

  - COLLECT ALL THE EVIDENCE;

  - ORGANIZE IT INTO AN ARGUMENT;

  - REDO ALL THE WORK WHEN SOMETHING HAPPENS ALONG THE WAY.

WHY IS THIS SO MUCH FUN?
(AT LEAST… FOR US IN COMPUTER SCIENCE ☺)

- DISCOVER THE STRUCTURES OF ARGUMENTATION

  - HOW DO OTHERS DO IT?

  - CAN WE FORMALIZE IT FOR MAKING A TOOL?
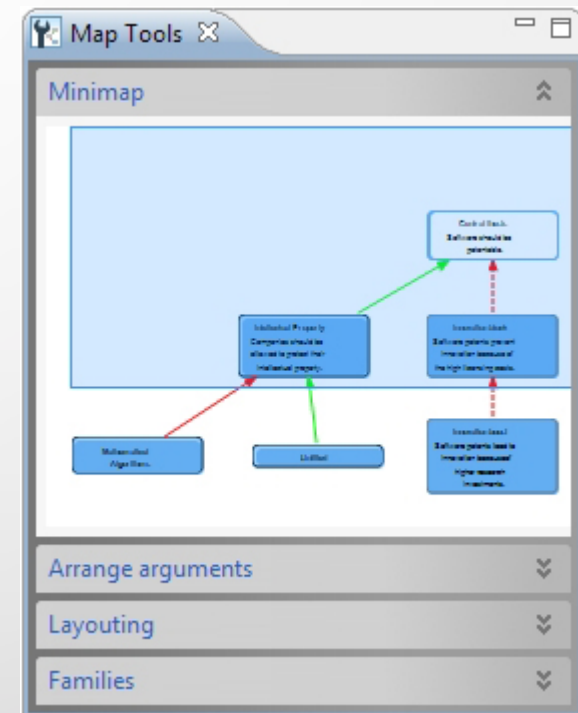
WHY IS THIS SO MUCH FUN?
(AT LEAST… FOR US IN COMPUTER SCIENCE ☺)

- WE LIKE TO INTEGRATE:

  - DECORATE TREES FULL OF STATEMENTS

  - INTEGRATE WITH DOCUMENTS (EVIDENCE)

  - INTEGRATE WITH LEGAL WEBSITES (GROUNDING)

- WE LOVE MAKING SERIOUS PROGRAMS!

WHY IS THIS SO MUCH FUN?
(AT LEAST... FOR US IN COMPUTER SCIENCE ☺)

- PROGRAMMING WITH RELATION ALGEBRA

  - CURIOUS: DOES RELATION ALGEBRA REALLY WORK?

  - THE FUN OF SEEING THEORY WORK IN PRACTICE.

- IT'S EXCITING TO SEE WORKING SOFTWARE COME OUT OF ALGEBRA!

E.g.
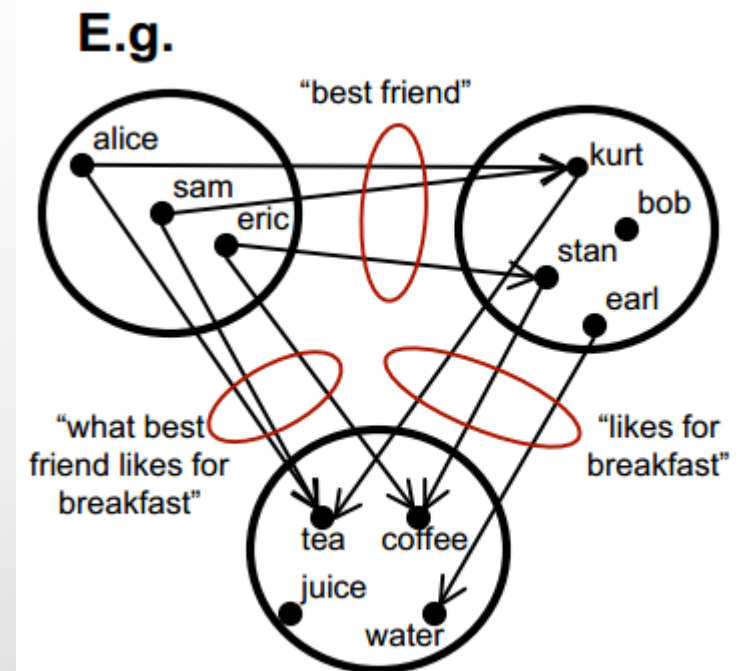
CAN YOU DO THIS?

- USE AN EXPERIMENTAL LANGUAGE, AMPERSAND, TO CONSTRUCT INFORMATION SYSTEMS.

- JOIN IN A PROJECT, "MIRRORME", IN WHICH
  WE BUILD ARGUMENT ASSISTANCE SYSTEM.

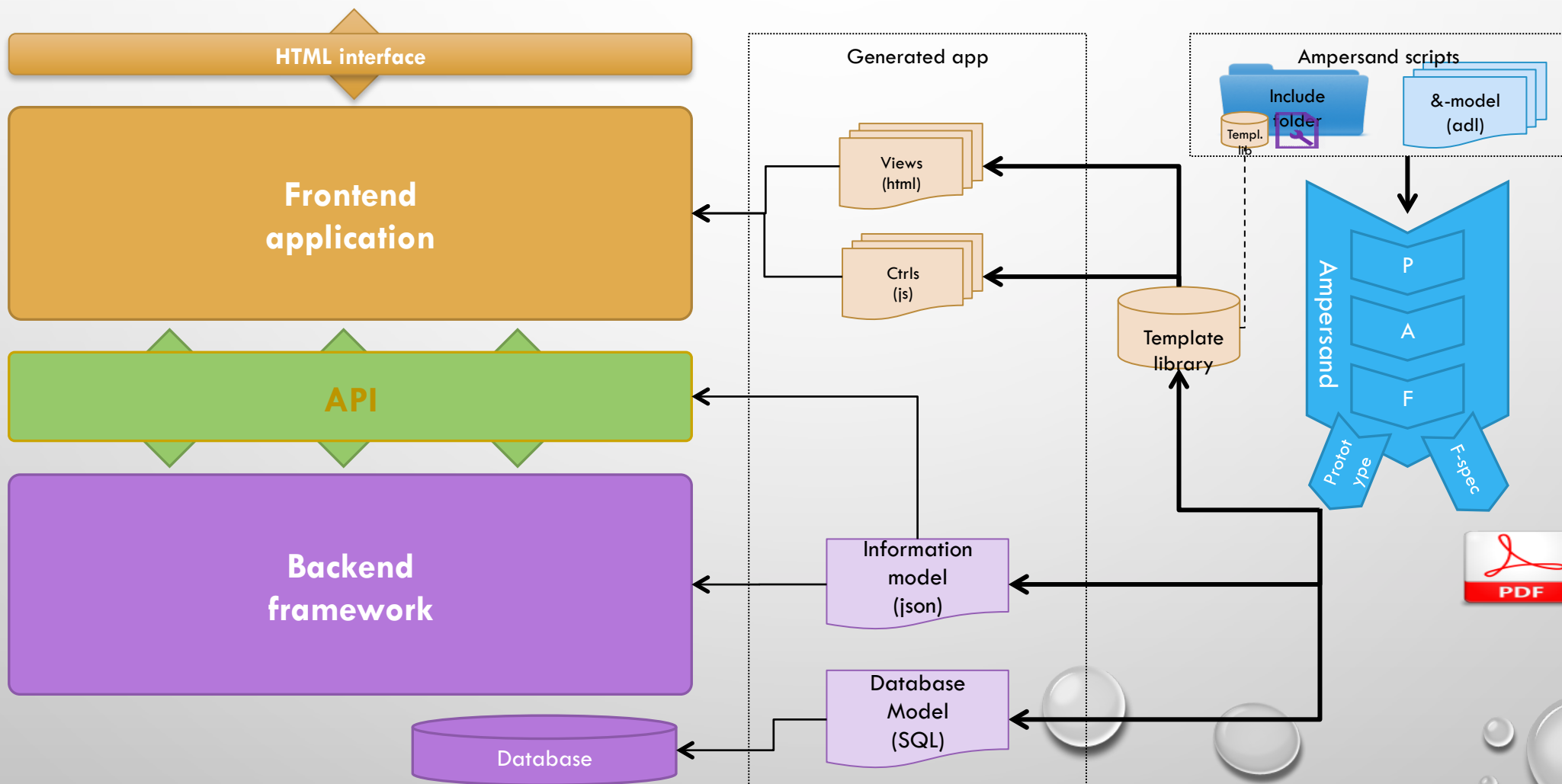- COLLABORATE OVER THE INTERNET WITH RESEARCHERS
  IN HOLLAND

WHAT RESULT ARE WE AIMING AT?

- BEAUTIFUL SOFTWARE THAT WORKS

- LEGAL PROFESSIONALS (AND OTHERS WHO MAKE ARGUMENTS) WHO LOVE IT.

WHAT DOES IT LOOK LIKE?

INFO

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- FOR AMPERSAND: HTTP://WIKI.TARSKI.NL/

- FOR ARGUMENT ASSISTANCE: I HAVE PUT SOME LITERATURE FOR YOU ON THE HANDOUT "LEGAL REASONING".