

Annotating Proprietary Streaming Video

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Agenda

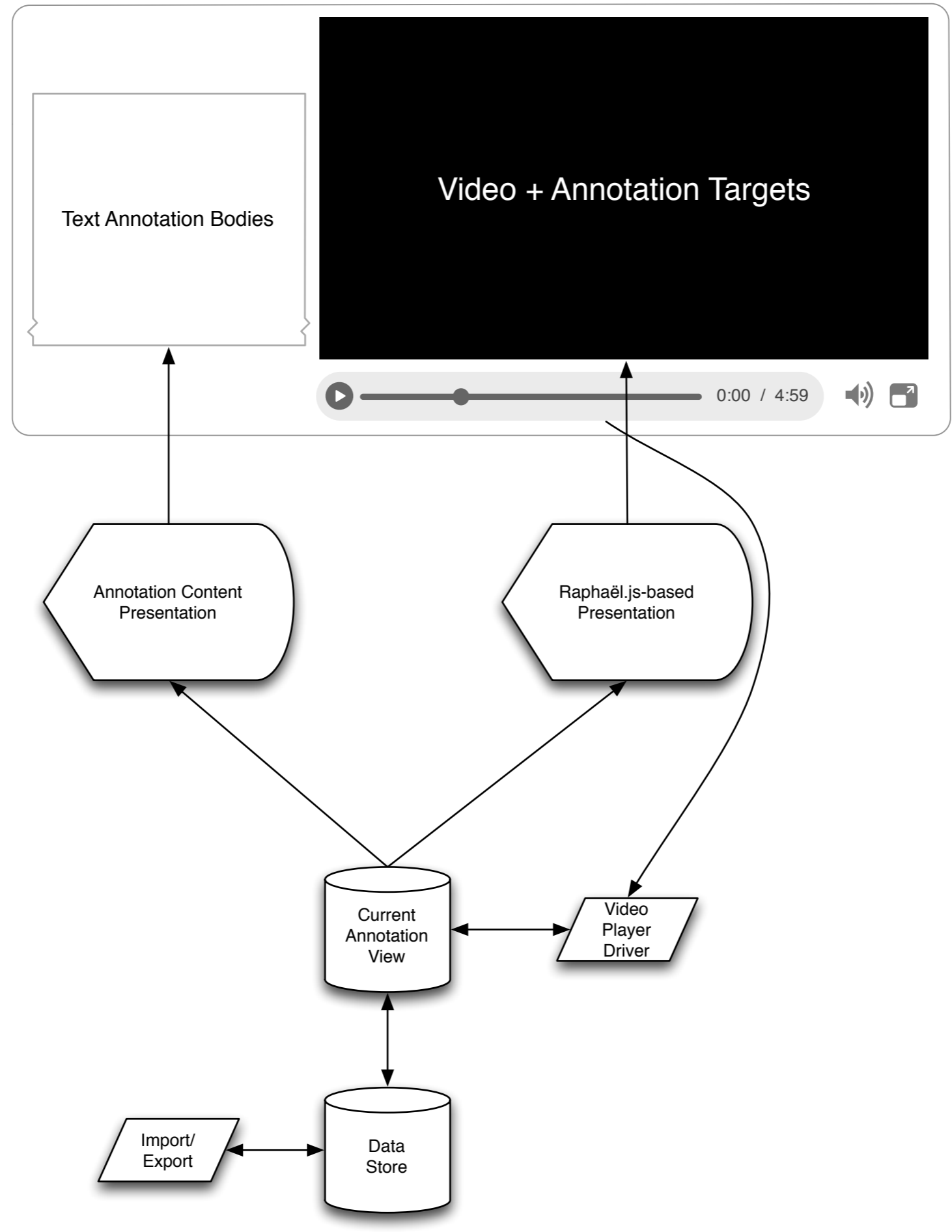
- Project Goals
- Constraints
- Software Architecture
- Demo
- Point out Code + Docs

Project Goals

- Test OAC data model
- Provide toolkit for annotating streaming video

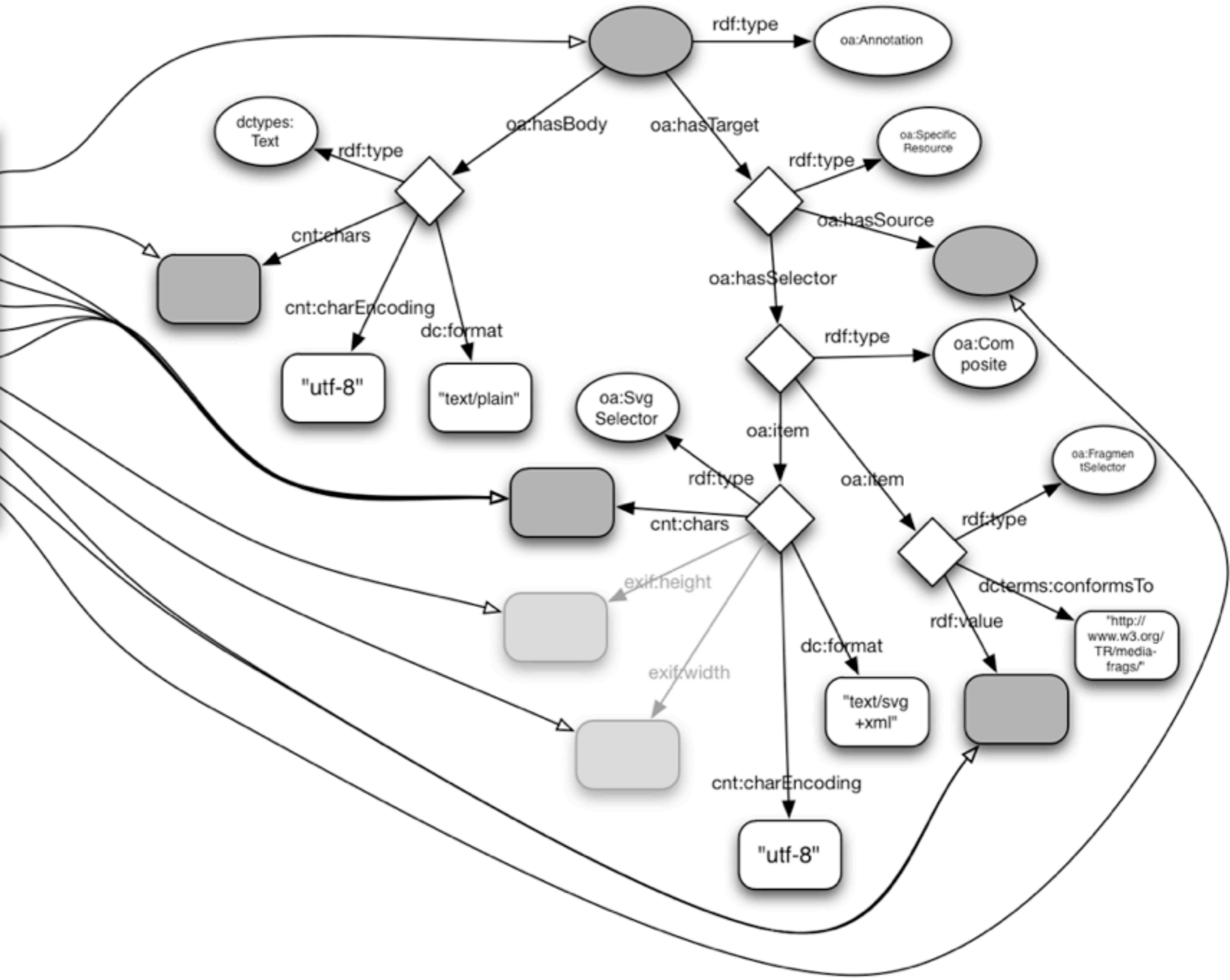
Constraints

- Streaming video is opaque
- Video player API is proprietary
- Component architecture
- No particular server side support

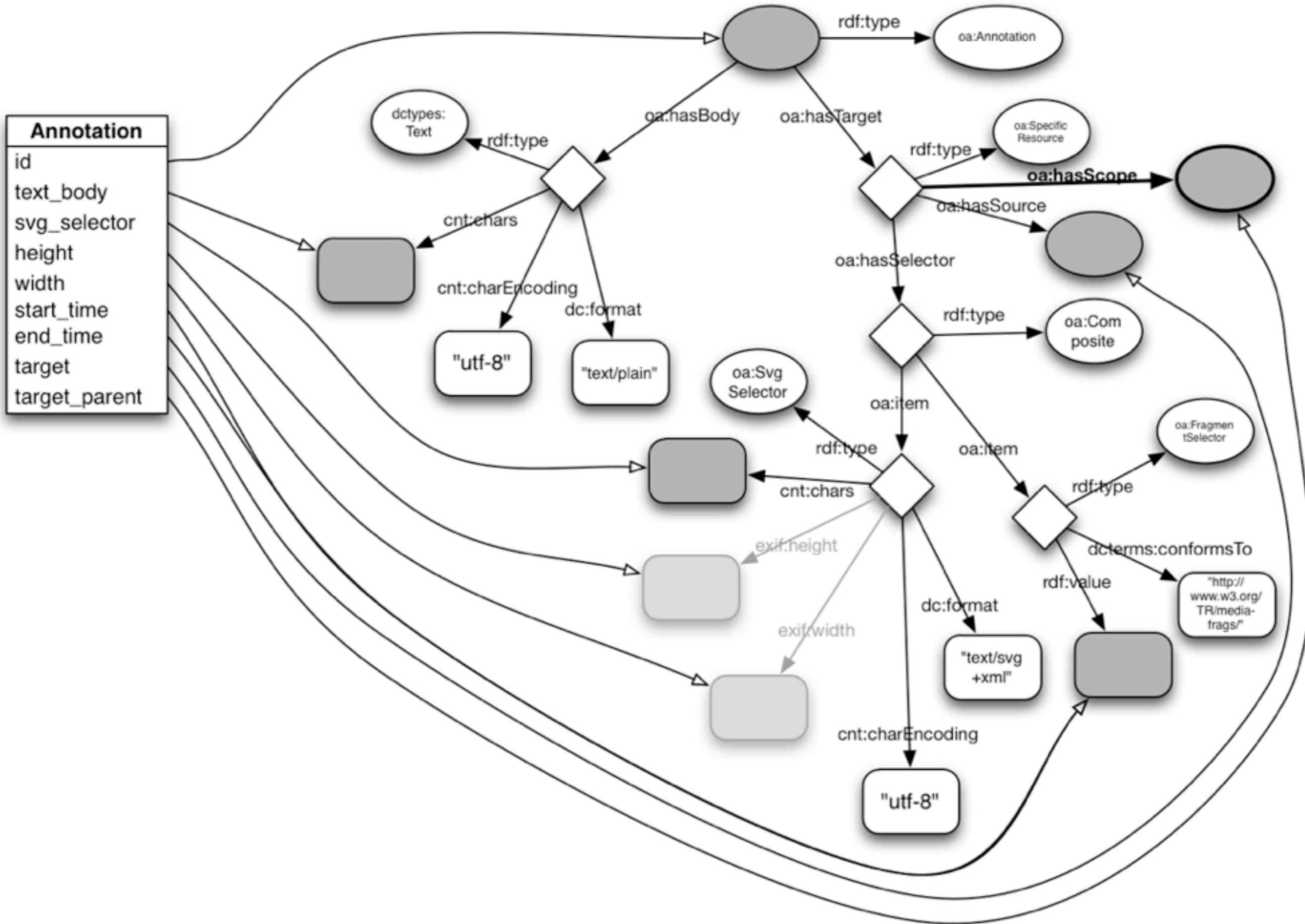


Demo

Annotation
id
type
bodyContent
shapeType
x
y
height
width
targetHeight
targetWidth
npt_start
npt_end
targetURI



Annotation
id
text_body
svg_selector
height
width
start_time
end_time
target
target_parent




```

"@context": [
  "http://www.w3.org/ns/oa-context-20130208.json",
  {
    "exif": "http://www.w3.org/2003/12/exif/ns#"
  }
],
"@graph": [
  {
    "@id": "0000-1111-22223333",
    "@type": "oa:Annotation",
    "hasBody": {
      "@type": "dctypes:Text",
      "format": "text/plain",
      "chars": "This is an annotation for Rectangle"
    },
    "hasTarget": {
      "@type": "oa:SpecificResource",
      "hasSource": "http://html5demos.com/assets/dizzy",
      "hasSelector": {
        "@type": "oa:Composite",
        "item": [
          {
            "@type": "oa:SvgSelector",
            "format": "image/svg+xml",
            "chars": "<rect x='255.5' y='167' width='323' height='190' />",
            "exif:height": 360,
            "exif:width": 480
          },
          {
            "@type": "oa:FragmentSelector",
            "value": "t=npt:0,5",
            "conformsTo": "http://www.w3.org/TR/media-frags/"
          }
        ]
      }
    }
  }
]

```

Code + Docs

- Generated by Docco-Husky
- Housed at <http://umd-mith.github.io/OACVideoAnnotator/code/>
- Aimed at the contributing developer wanting to understand the library code

Future Work

- Drupal Module
- JSON-LD