

Web Applications with GF

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The screenshot shows a web browser window with the address bar containing 'Konkanok'. The page title is 'Konkanok'. Below the title is a section titled 'Information' with a link to '[Edit the information]'. A table lists the restaurant's details:

Address	Doktor Bex Gata 4 D
City	Göteborg
State	Västra Götaland
Postal code	413 24
Country	Sweden
Phone	731720592
Cuisine	Thai

Below the table is a 'Review' section with a link to '[Edit the review]'. The review text reads: 'The food is delicious and very cheap, the staff is courteous. I really recommend the restaurant.'

At the bottom of the page, there is a language selection dropdown menu set to 'Eng' and a link to 'Index'.

The browser's status bar at the bottom shows 'Done', 'Internet', and '100%' zoom level.

Fridge Poetry

The screenshot shows a web browser window titled "Fridge" with the address bar displaying "http://localhost:41296/fridge/". The page features a search bar with "Google" and a "Clear" button. Below the search bar, four words are selected in a row: "the", "bird", "stabs", and "five". A large grid of words is displayed below, organized into rows. At the bottom of the page, there are two dropdown menus: "Grammar: bronzeage.pgf" and "From: BronzeageEng".

the bird stabs five

Clear

animals backs bad bellies big birds black bones breasts children
clouds cold correct days dirty dogs dry dull ears eggs eyes
feathers feet fingernails fires fish flowers forests fruits full good
grasses green guts hairs hands heads hearts heavy horns
knees lakes leaves legs lice livers long men moons mountains
mouths names narrow near necks new nights noses old
persons red rivers roads roots ropes rotten round seas seeds
sharp short skies skins small smooth snakes stars sticks stones
straight suns tails teeth thick thin tongues trees warm wet
white wide winds wings wives women worms years yellow

Grammar: bronzeage.pgf

From: BronzeageEng

Translator

Translate

http://tournesol.cs.chalmers.se:41296/trans Google

drei Kinder schwimmen mit e Translate

From: drei Kinder schwimmen mit einem
drei Kinder schwimmen mit einer
drei Kinder schwimmen mit euch

To: BronzeageGer All languages

children swim
kolme lasta ui
drei Kinder schwimmen
tre bambini nuotano
tres niños nadan
tre barn simmer
tre barn simmar
три деца плуват

Reasoning

Mosq: GF + FOL Semantics

http://csmisc14.cs.chalmers.se:1970/ Google

is socrates morta

is socrates mortal

is socrates mortally

From: English

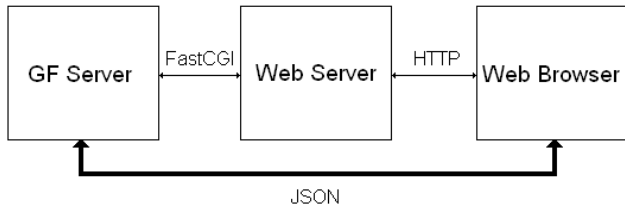
▼ Facts

- (! [A] : (man(A) => mortal(A)))
- (? [A] : (man(A) & socrates = A))

▼ Log

- every man is mortal
 - TNoPunct (PhrUtt NoPConj (UttS (UseCl (TTAnt TPres ASimul) PPos (PredVP (DetCN e...)) ! [A] : (man(A) => mortal(A)) Consistent: yes Informative: yes
 - socrates is a man

Structure of the Web Applications



- GF Server - Haskell App using the PGF API
- Web Server - lighttpd, IIS
- Web Browser - Java + GWT (compiled to JavaScript)

GF Server Compilation

- Location: `src/server`
- Dependencies: `cgi`, `fastcgi`, `json`, `utf8-string`
`http://hackage.haskell.org`
- Compilation
 - `runghc Setup.hs configure`
 - `runghc Setup.hs build`
 - `runghc Setup.hs install`

- Linux - lighttpd
`http://www.lighttpd.net/`
- Windows
IIS (Windows Component) + FastCGI ISAPI

- Location: `src/server/gwt`
- Dependencies: Google Web Toolkit
`http://code.google.com/webtoolkit/`
- Compilation:
 - `./Fridge-compile`
 - `./Translate-compile`

- With lighttpd:
 `lighttpd -f lighttpd.conf -D`
- With IIS:
 It is always running