

Tizen's Graphical Libraries



EFL

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Tizen and EFL

TIZEN INFRASTRUCTURE

HTML5 applications

WebKit

Graphical Libraries (EFL)

Subsystems

Kernel

TIZEN AND EFL

HTML5 applications

WebKit

Native applications

EFL

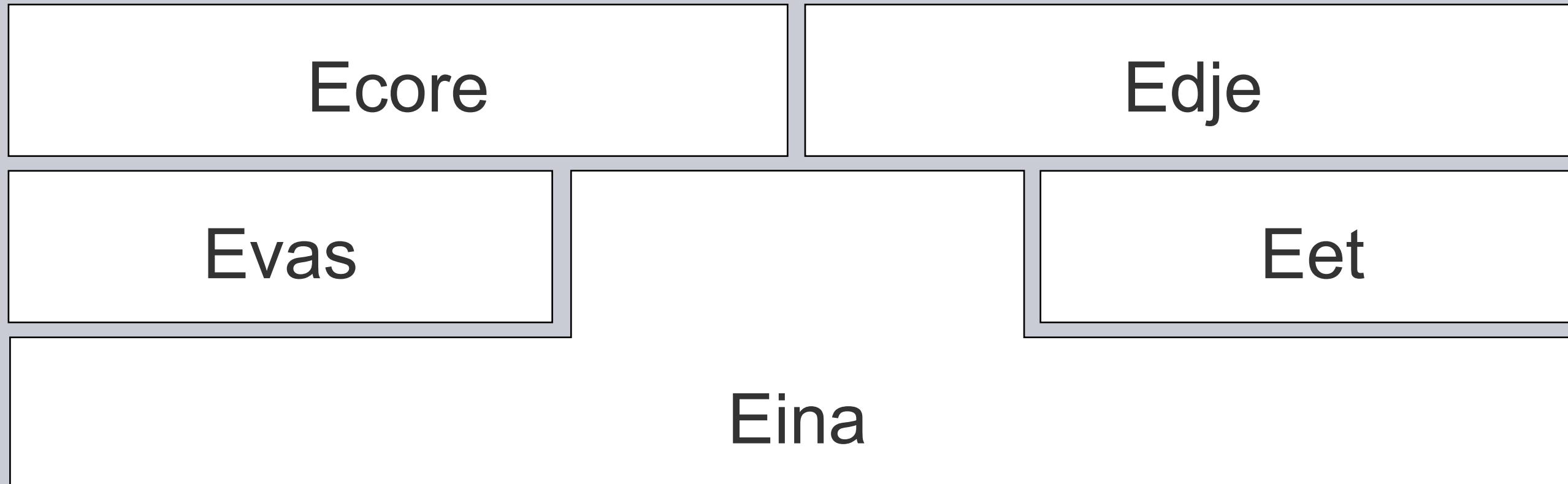
Kernel + Subsystems

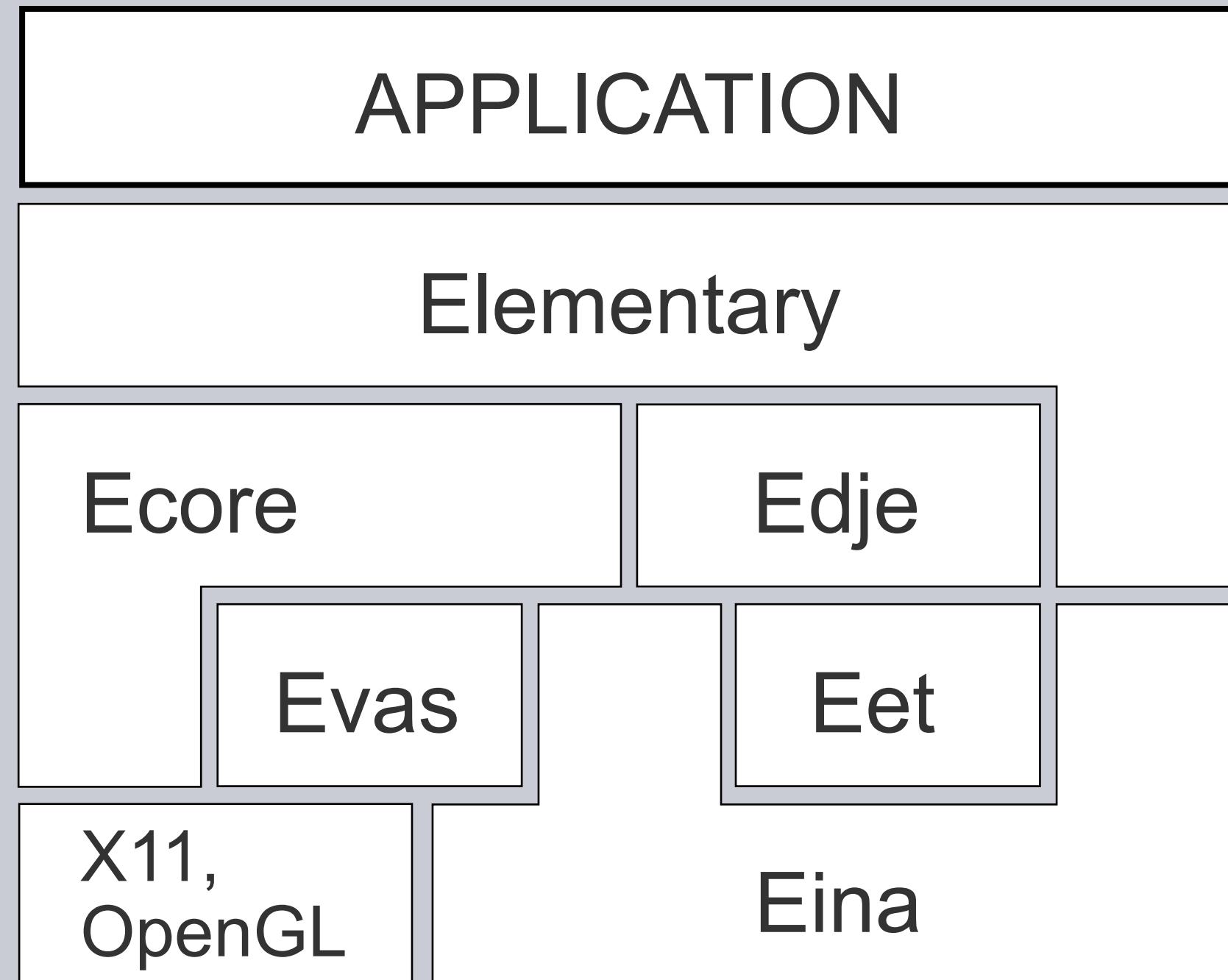
EFL Basics

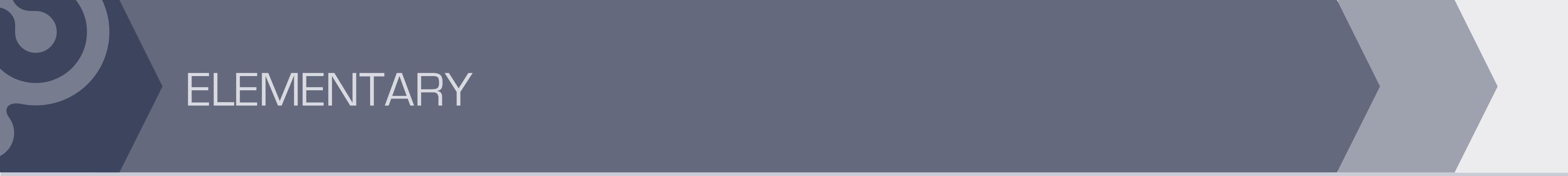
WHAT EFL PROVIDES

- Basic 2D drawing
- Optimized rendering
 - Software
 - OpenGL
- Resource sharing
- Animation framework









ELEMENTARY

- Widgets Toolkit
- Transitions
- Themability
- Focused on touch interfaces

“The only software which has taken longer
to develop than Duke Nuke Forever”



- Uses EFL core libraries (except Elementary)
- Lightweight window manager
- Roadmap to release
- Release manager assigned to it
- Used on Tizen

WEBKIT-EFL

- Official port
- EFL-like API
- Tiled backing store
- WebKit2-EFL port under development

Current Development



CURRENT DEVELOPMENT

- Documentation
- Canvas Optimizations
- EasyUI (Javascript API)
- EPhysics



CURRENT DEVELOPMENT

- Wayland
- Edje Multisense (sound API)
- Elementary internals refactor
- EDBus



DOCUMENTATION

- Received a good amount of content
- Core libraries covered
- Many examples
- Very descriptive for the more complex modules

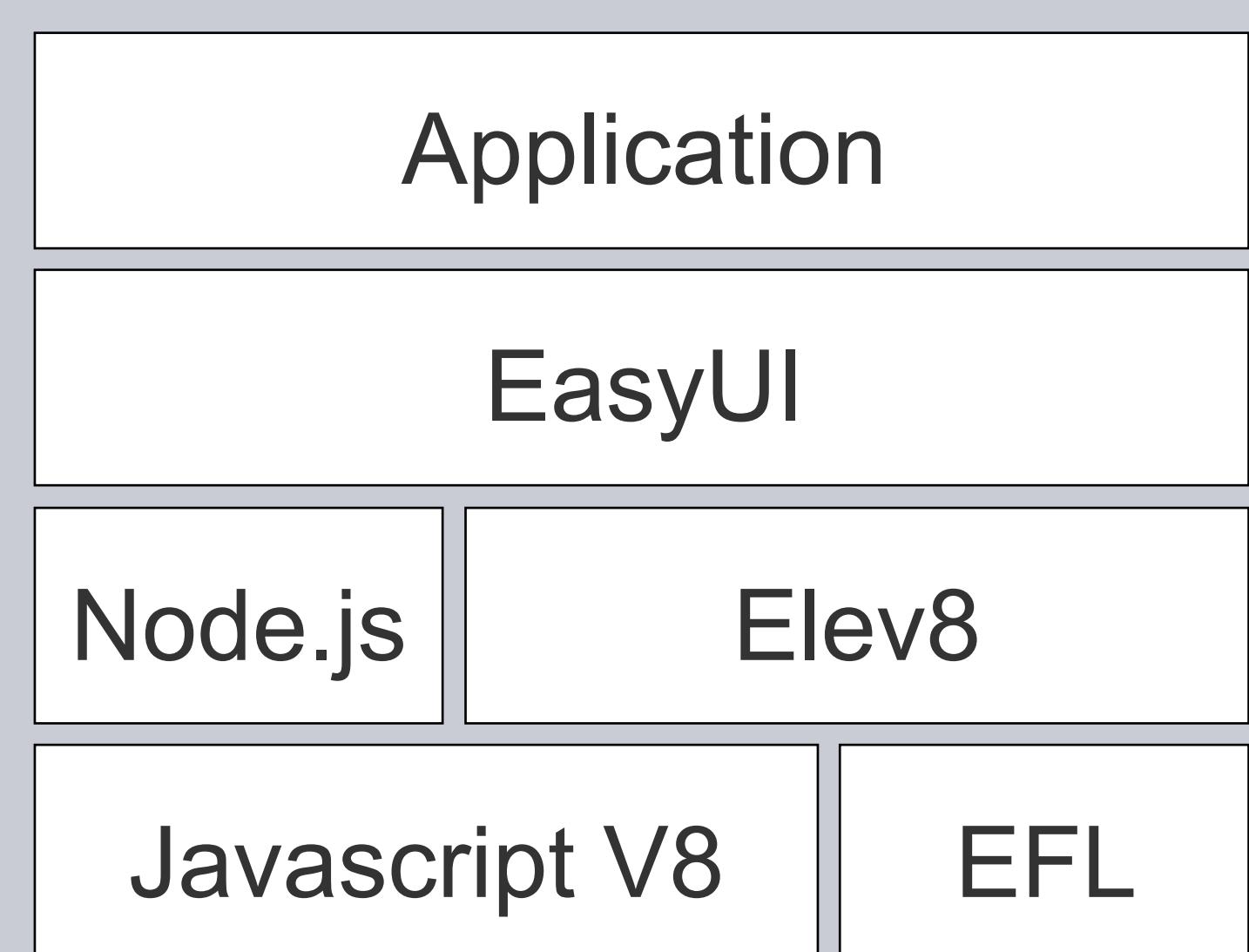


CANVAS (EVAS) OPTIMIZATIONS

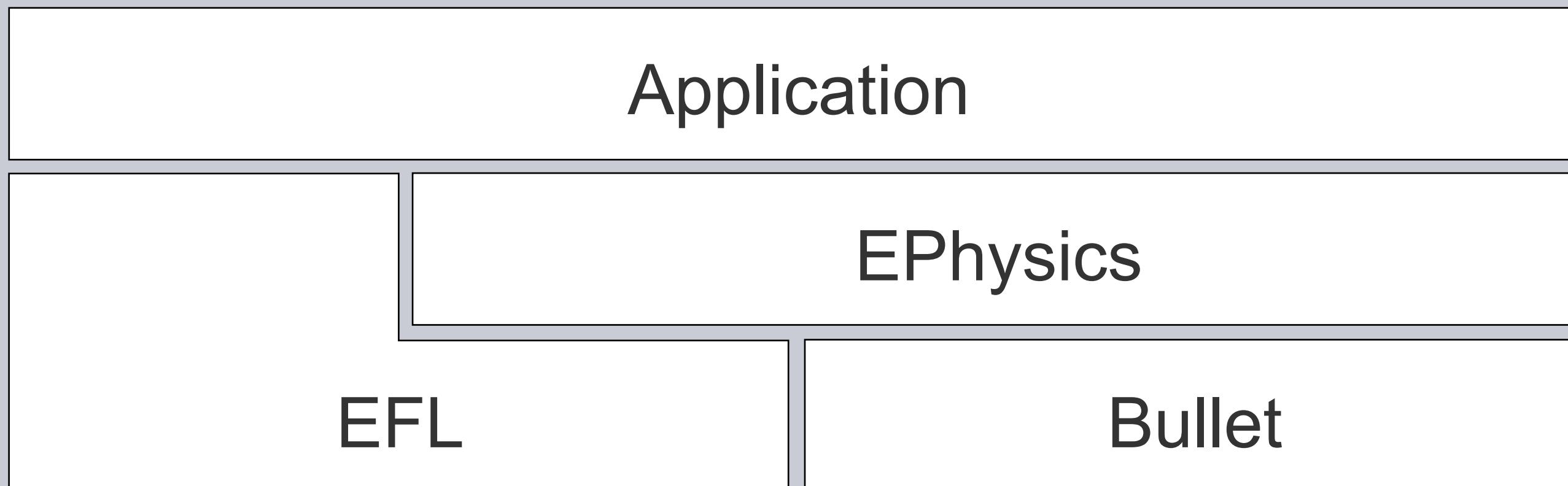
- Cache Server
 - Fonts
 - Images
- Render
 - Threaded Asynchronous Model

EASYUI

- Easy to use API
- MVC oriented
- Audience:
casual app developer



- Easy to use
- Audience: casual game developer





WAYLAND

- Backend for EFL
- Current state working
- Both SHM and EGL backends
- Still following Wayland development

ENNA

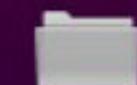


Microphone fiend

Renegades

Rage Against The Machine

02:42



Renegades

- 01 - Microphone fiend.mp3
- 02 - Pistol grip pump.mp3
- 03 - Kick out the jams.mp3
- 04 - Renegades of funk.mp3
- 05 - Beautiful world.mp3
- 06 - Im housin.mp3
- 07 - In my eyes.mp3
- 08 - How I could just kill a man.mp3
- 09 - The ghost of tom joad.mp3
- 10 - Down the street.mp3
- 11 - Street fighting man.mp3
- 12 - Maggies farm.mp3

The Big Bang Theory 1x02 The Big Bran Hypothes



720P

DOLBY
DIGITAL 2.0

HDTV

20 minutes
Comedy

Leonard volunteers to sign for a package in an attempt to make a good impression on Penny, but when he enlists Sheldon for help, his attempt at chivalry goes terribly awry.

- S1
- [The.Big.Bang.Theory.1x01.Pilot.720p.HDTV.x264.AC3-C...](#)
 - [The.Big.Bang.Theory.1x02.The.Big.Bran.Hypothesis.RE...](#)
 - [The.Big.Bang.Theory.1x03.The.Fuzzy.Boots.Corollary.7...](#)
 - [The.Big.Bang.Theory.1x04.The.Luminous.Fish.Effect.72...](#)
 - [The.Big.Bang.Theory.1x05.The.Hamburger.Postulate.72...](#)
 - [The.Big.Bang.Theory.1x06.The.Middle.Earth.Paradigm....](#)
 - [The.Big.Bang.Theory.1x07.The.Dumpling.Paradox.720p...](#)
 - [The.Big.Bang.Theory.1x08.The.Grasshopper.Experimen...](#)
 - [The.Big.Bang.Theory.1x09.The.Cooper-Hofstadter.Polar...](#)
 - [The.Big.Bang.Theory.1x10.The.Loobenfeld.Decay.720p...](#)
 - [The.Big.Bang.Theory.1x11.The.Pancake.Batter.Anomaly...](#)
 - [The.Big.Bang.Theory.1x12.The.Jerusalem.Duality.720p....](#)
 - [The.Big.Bang.Theory.1x13.The.Bat.Jar.Conjecture.720p...](#)
 - [The.Big.Bang.Theory.1x14.The.Nerdvana.Annihilation.7...](#)

NETBOOK LAUNCHER



CD/DVD の作成

CD と DVD の作成



Tomboy ノート

メモを取って及ぼすアノテーションを高速で簡単に手書きします



gedit テキストエディタ

テキストを他のファイルに複数張ります



スクリーンショットの取扱

デスクトップや表示されるコンソールの画面を簡単に取得



ディスク使用量の解析

ディスクの使用状況を表示するためのグラフを作成



バーコード生成

バーコードを簡単に生成



ファイルの検索

ファイルを検索するときに非常に便利なツール



印刷ジョブの管理

印刷ジョブを一覧で確認する



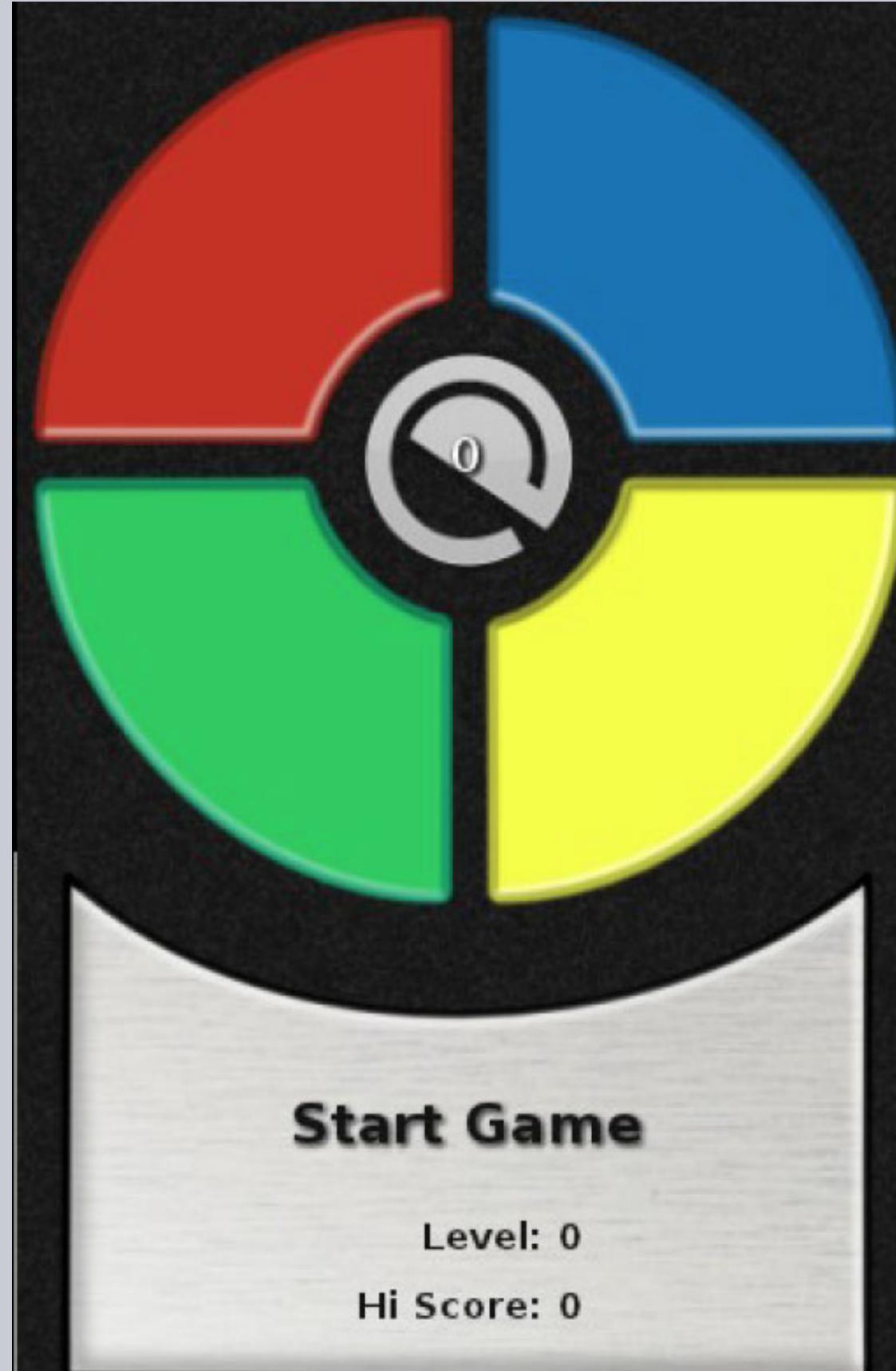
CALAOS



ESKISS



ECHO



ESCAPE, PIRATES!

HI-SCORE: 68700
SCORE: 6800



- Electrolux Infinity I-Kitchen
- Endeavour (FINEP)
- Zodiac Aerospace In-Flight Infotainment
- Calaos Home Automation
- Freebox Set top box and modem

ELECTROLUX INFINITY I-KITCHEN



RECEITAS CLAUDIA

20/10/2009 SEG 16:59 27°C

PRATO PRINCIPAL

CONTROLES

APLICATIVOS

NÃO HÁ EVENTOS PARA HOJE

- Alcatra com cogumelo portobello
- Alcatra de panela com berinjela e macarrão
- Alcatra recheada à siciliana
- Almôndegas recheadas ao molho de pimentão
- Arroz com bacalhau e pimentão
- Arroz com capa de filé e vinagre de maçã
- Arroz jasmim com lentilha rosa e frango

VOLTAR BUSCAR RECEITA

TURBO

BOM DIA! LISTA DE COMPRAS

FELIZ ANIVERSÁRIO! ME LIGUE HOJE.

RECADO PARA VOCÊ LIGAR PARA SUA MÃE

OLÁ! SAIR PARA JANTAR

ZODIAC AEROSPACE IN-FLIGHT INFOTAINMENT

NEW YORK CITY

ZD 123

ETA 1:47

michaelbublé

DRIVE VJ

G3

Michael Jackson's THIS IS IT

View Playlist ►

This is It +

+ + + +



Gustavo is listening Black or Write - Michael Jackson (4:32)



SUMMARY

- Fast libraries
- A lot of development going on
- Good use cases already



BENEFITS FOR TIZEN

- Faster libraries → faster HTML5 apps
- Future → native development (?)

questions?



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Enlightenment Community

- enlightenment-devel@lists.sourceforge.net
- **#evelop** at freenode