Unique but fast!
Make your Tizen apps shine
- Where is modern GUI programming going?
- Ideas to improve your GUI application
Where is modern GUI programming going?
Modern Mobile App UI’s

* Tizen 2.3 UX
UI’s are getting compact...
Visual Interaction is getting interested in ...

* Android Material UX
VI is beautiful! but How?
Some observations

- UI's are getting compact.
- UX is focusing on VI Improvements more than before.
- Pretty design increases development difficulty.
- The design cycle is often shorter than we wish for.
- Design tools are good but not perfect.
Question is

- How can developers implement VI more easily?
GUI Builder is good for beginners, but…
High-Level Languages help you compose fancy GUIs

collections {
  images {
    image: "logo.png" COMP;
  }
  group { "main";
    parts {
      image { "logo";
        desc { "default";
          rel1.relative: 0.0 0.0;
          rel2.relative: 0.5 0.5;
          image.normal: "logo.png";
          aspect: 1 1;
          aspect_preference: BOTH;
        }
      }
    }
    rect { "rect";
      desc { "default";
        rel1.relative: 0.5 0.0;
        rel2.relative: 1.0 0.5;
      }
    }
  }
}
//Solid Color
rect { "my_rectangle";
  desc { "default":
      rel1.relative: 0 0;
      rel2.relative: 1 0 0.5;
      color: 255 255 0 255;
  }
}

/image
image { "my_image";
  desc { "default":
      rel1.relative: 0.5 0.5;
      rel2.relative: 1.0 1.0;
      image.normal: "logo.png";
      aspect: 1 1;
      aspect_preference: BOTH;
  }
}

/Text
text { "my_text";
  desc { "default":
      rel1.relative: 0 0.5;
      rel2.relative: 0.5 1.0;
      text { text: "Oscon!";
  }
}
Ideas to improve GUI apps
The most important principle: Usefulness

- Just pretty apps are useless.
- Design is for ease of control and understanding.
- Understand the real needs of users.
- Think about it from point of user perspective.
Everyone wants faster apps
Everyone wants faster apps
First of all, make it simple.

Simple design improves performance as well.

Using the default theme will reduce your app size.

Deep understanding of F/W helps you to optimize efficiently.

Optimize program last.

- Do profiling and then do some surgery!
- HW processing (CPU, GPU, SIMD, …)
- Compact Image/Fonts
- Resource Caching
- Parallel processing
- …
Everyone wants faster apps

- Designers need to understand the UI F/W, too.
Keep it Short and Simple (KISS)

- Simple will reduce the development time & maintenance costs.
- User aren’t likely to learn something new.
- Focus on functions relevant to the user’s task and context.
Keep it Short and Simple (KISS)

- Please don’t customize theme without clear app identity.
Keep it Short and Simple (KISS)

- Remove useless scenarios!
Simple principles

- Easy to access
  - From the app developer view
  - Design apps while understanding basic design principles and the toolkit you use.
  - Avoid custom design whenever possible.

- Easy to develop
  - From the f/w developer view
  - Set up robust design principles for general scenarios.
  - Provide easy to use Programming Methods and Tools.
Tizen is an OS of everything
Tizen

- tizen.org - website
- developer.tizen.org – for app developers
- source.tizen.org – platform developers
- review.tizen.org/git – source code
- review.tizen.org/gerrit – gerrit
- tizen.org/community/mailing-lists – mailing list
- irc.freenode.net/6667, #tizen – irc
- developers.tizen.org/forum – forum
- wiki.tizen.org – wiki
- bugs.tizen.org - jira

* Tizen 2.3 rev3
TDC 2015 is coming soon
Thank You
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