

Prog Disp Móveis



Competências:

- Desenvolver aplicativo para dispositivos móveis.

Indicadores de Competências:

- Desenvolve aplicativos para o contexto de dispositivos móveis;
- Utiliza APIs para manipulação dos componentes do dispositivo móvel;
- Integra aplicativo móvel com serviços web;
- Publica aplicativos móveis em serviço de distribuição digital.

Bases Tecnológicas, científicas e instrumentais (conteúdos):

- Plataforma de desenvolvimento para dispositivos móveis;

Situação de Aprendizagem:

- Aplicações para Dispositivos Móveis

Desenvolvimento de Aplicativos Móveis

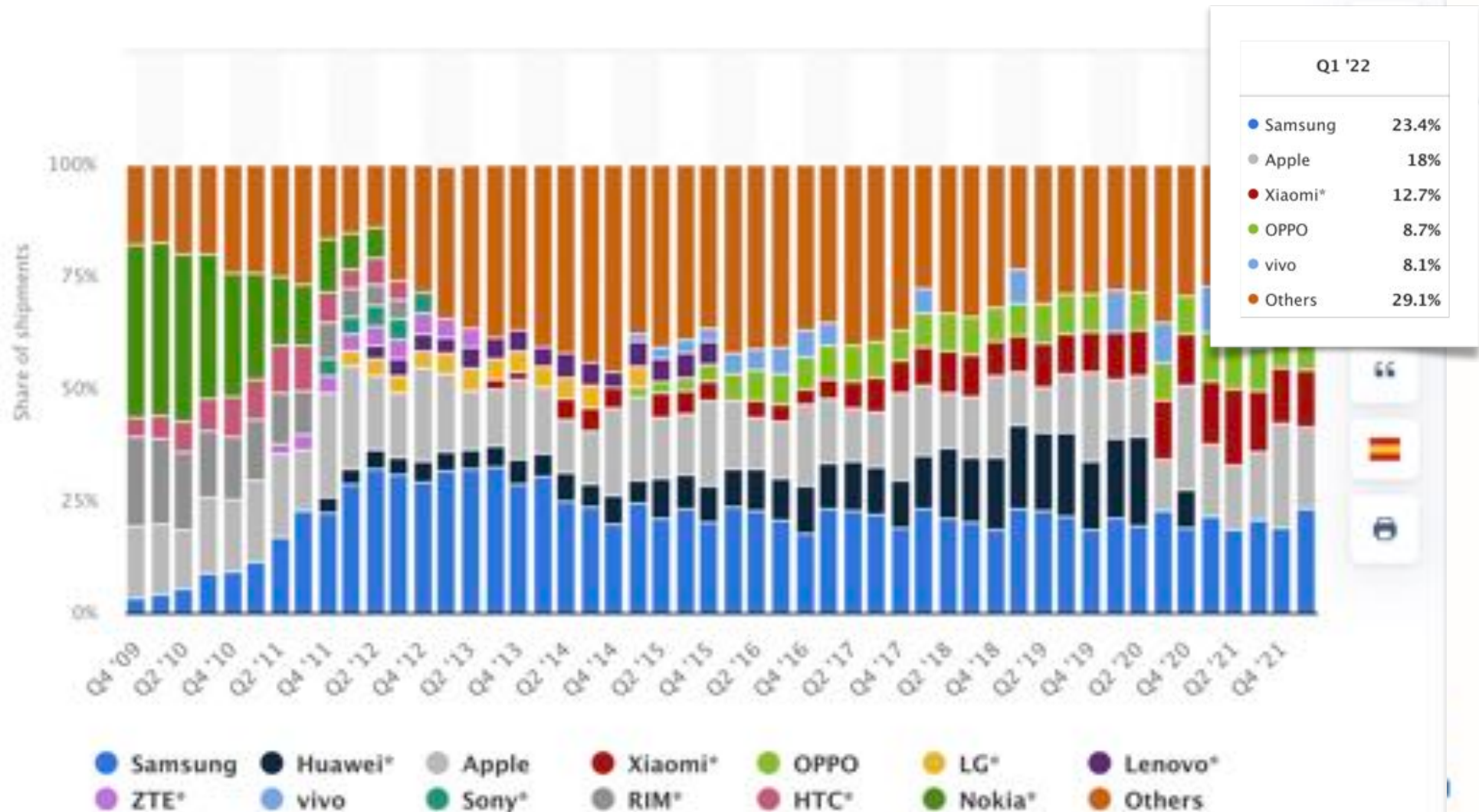


Desenvolvimento de Aplicativos Móveis





Desenvolvimento de Aplicativos Móveis



Introdução Android

Google

Android Inc.



Introdução Android

The New York Times

How Google Protected Andy Rubin, the 'Father of Android'

The internet giant paid Mr. Rubin \$90 million and praised him, while keeping silent about a misconduct claim.



Out 14

Introdução Android



HTC Dream



Name	Internal codename ^[2]	Version number(s)	API level	Initial stable release date	Latest security patch date ^[14]	Latest Google Play Services version ^[15] (release date)
Android 1.0	—	1.0	1	September 23, 2008	—	—
Android 1.1	Petit Four	1.1	2	February 8, 2009		
Android Cupcake	Cupcake	1.5	3	April 27, 2009		
Android Donut	Donut	1.6	4	September 15, 2009		
Android Eclair	Eclair	2.0	5	October 27, 2009		
		2.0.1	6	December 3, 2009		
		2.1	7	January 11, 2010 ^[16]		
Android Froyo	Froyo	2.2 – 2.2.3	8	May 20, 2010		3.2.25 (October 2014)
Android Gingerbread	Gingerbread	2.3 – 2.3.2	9	December 6, 2010		10.0.84 (November 2016)
		2.3.3 – 2.3.7	10	February 9, 2011		
Android Honeycomb	Honeycomb	3.0	11	February 22, 2011		
		3.1	12	May 10, 2011		
		3.2 – 3.2.6	13	July 15, 2011		
Android Ice Cream Sandwich	Ice Cream Sandwich	4.0 – 4.0.2	14	October 18, 2011		14.8.49 (February 2019)
		4.0.3 – 4.0.4	15	December 16, 2011		21.33.56 (September 2021)
Android Jelly Bean	Jelly Bean	4.1 – 4.1.2	16	July 9, 2012		
		4.2 – 4.2.2	17	November 13, 2012		
		4.3 – 4.3.1	18	July 24, 2013		
Android KitKat	Key Lime Pie	4.4 – 4.4.4	19	October 31, 2013	October 2017	22.15.14 (May 2022)
		4.4W – 4.4W.2	20	June 25, 2014	?	
Android Lollipop	Lemon Meringue Pie	5.0 – 5.0.2	21	November 4, 2014 ^[17]	November 2017	
		5.1 – 5.1.1	22	March 2, 2015 ^[18]	March 2018	22.18.20 (June 2022)
Android Marshmallow	Macadamia Nut Cookie	6.0 – 6.0.1	23	October 2, 2015 ^[19]	August 2018	
Android Nougat	New York Cheesecake	7.0	24	August 22, 2016	August 2019	
		7.1 – 7.1.2	25	October 4, 2016	October 2019	
Android Oreo	Oatmeal Cookie	8.0	26	August 21, 2017	January 2021	
		8.1	27	December 5, 2017	October 2021	
Android Pie	Pistachio Ice Cream ^[20]	9	28	August 6, 2018	January 2022	
Android 10	Quince Tart ^[21]	10	29	September 3, 2019	June 2022	
Android 11	Red Velvet Cake ^[21]	11	30	September 8, 2020		
Android 12	Snow Cone	12	31	October 4, 2021		
Android 12L	Snow Cone v2	12.1 ^[4]	32	March 7, 2022		
Android 13	Tiramisu ^[22]	13 ^[23]	33	Q3 2022		

Legend: ■ Old version ■ Older version, still maintained ■ Latest version ■ Latest preview version



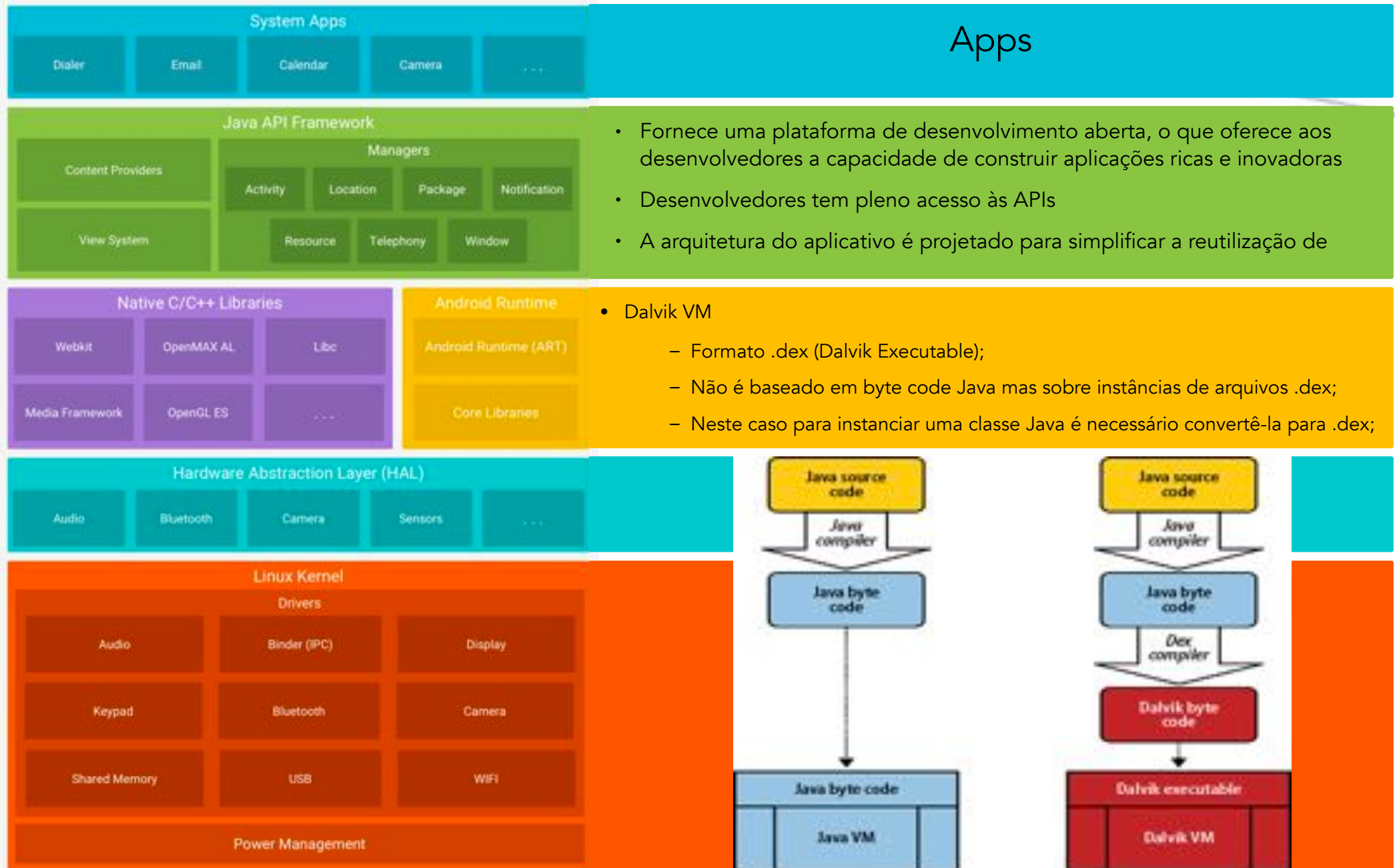
Arquitetura Android



Arquitetura Android



Arquitetura Android



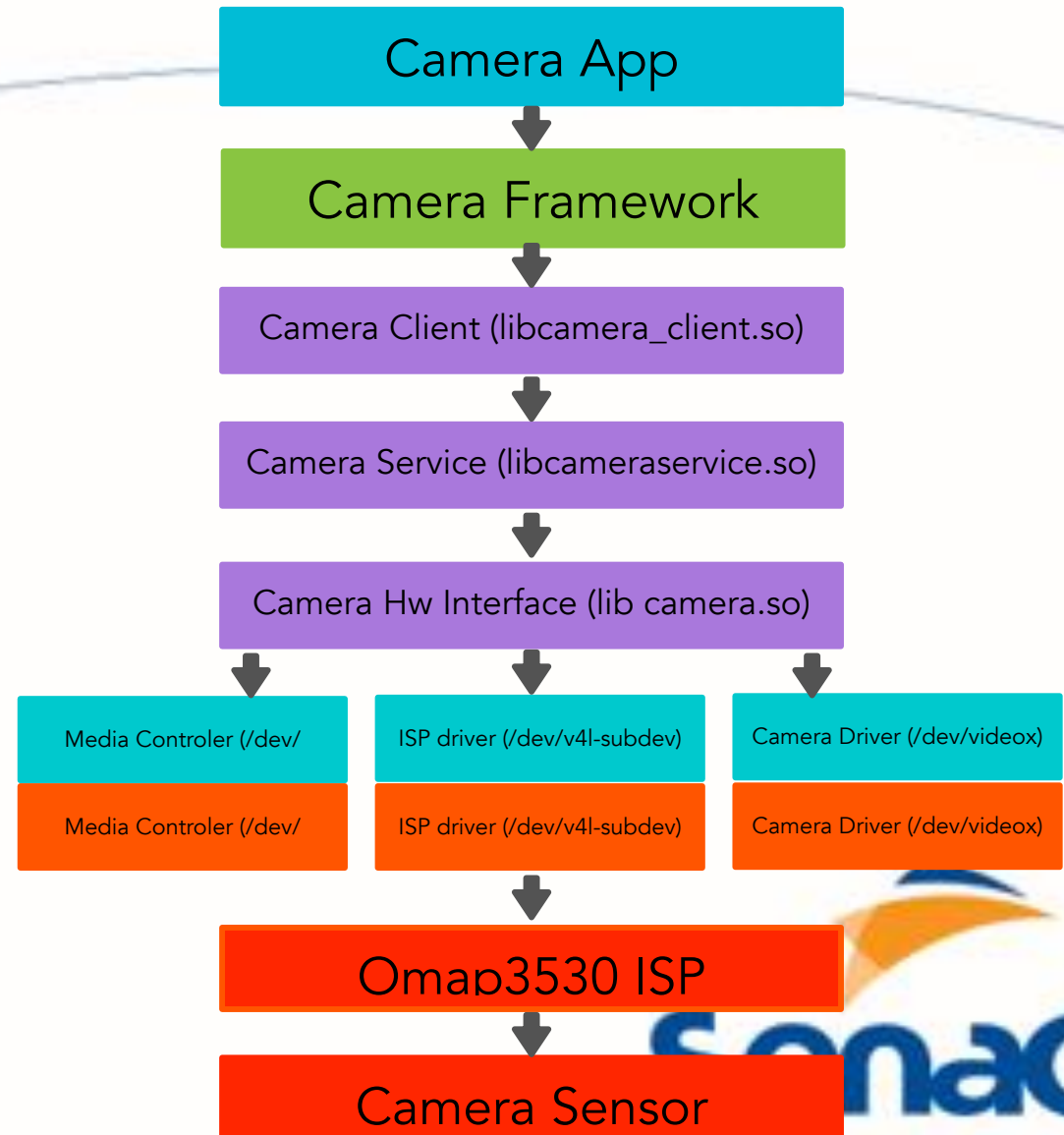
Arquitetura Android



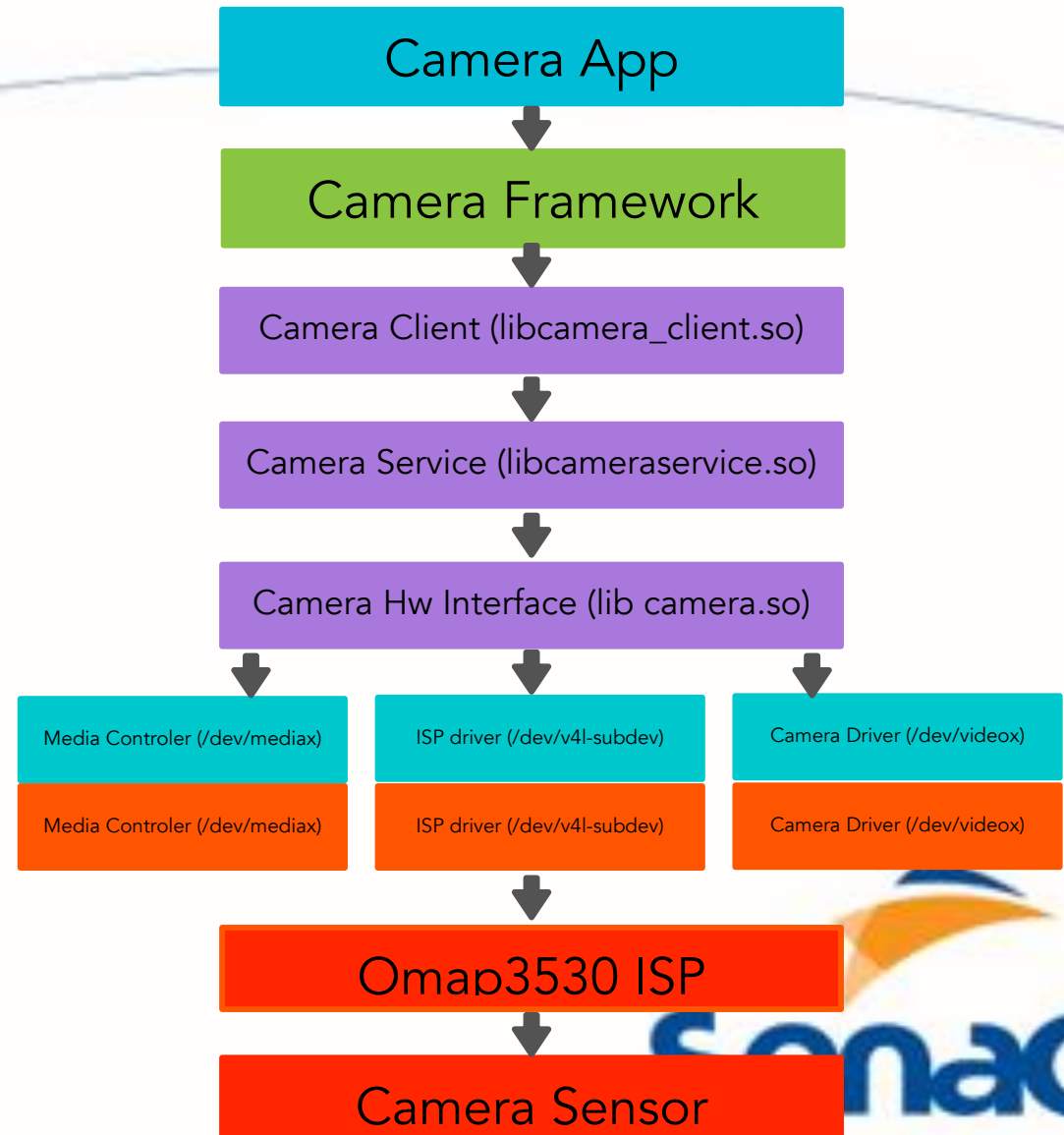
Arquitetura Android



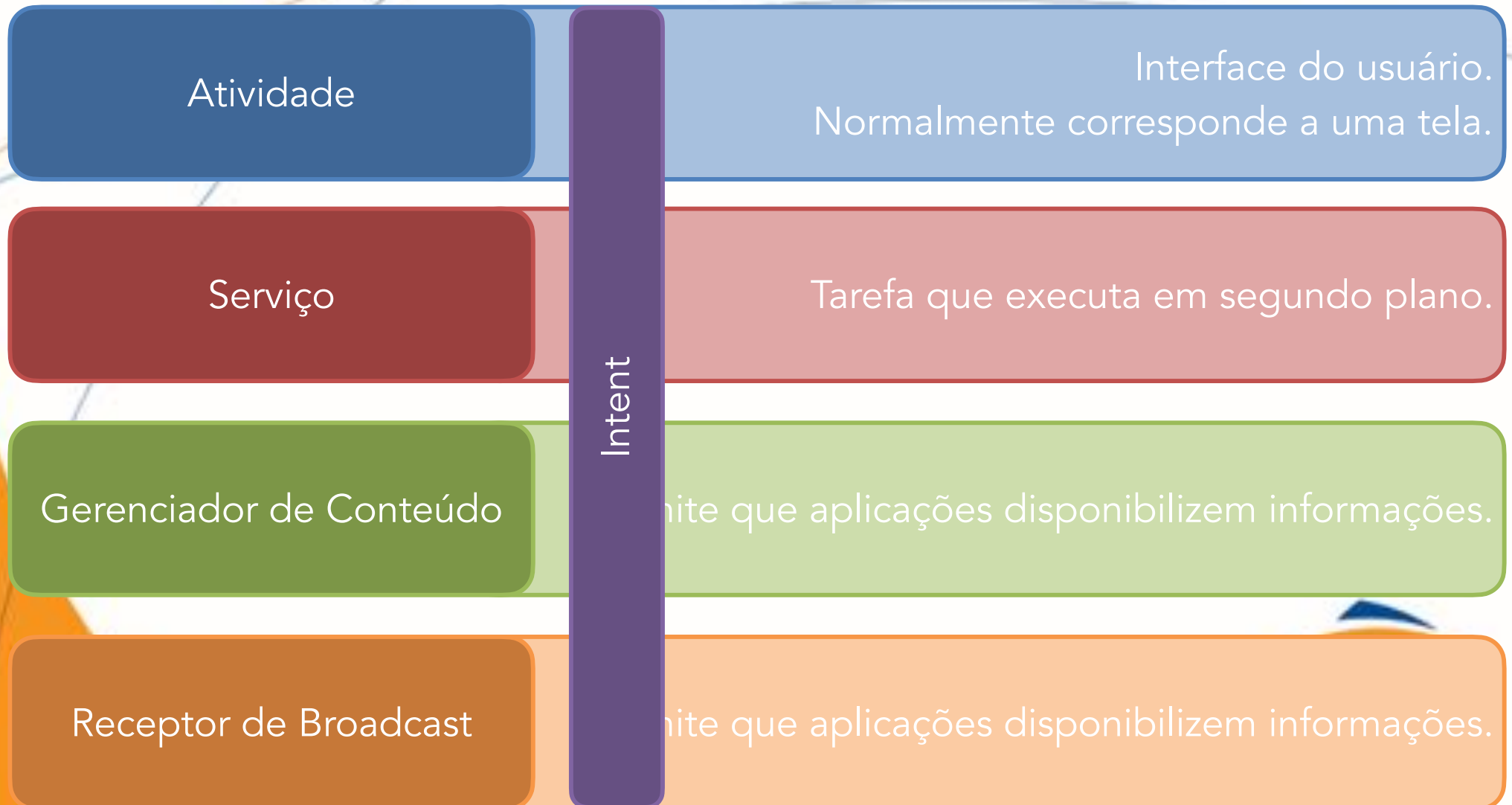
Arquitetura Android



Arquitetura Android



Componentes





Exercícios

1. Se fôssemos desenvolver um aplicativo para os alunos do Senac/Mód 4, qual SDK seria recomendável?



2. Esta amostra é significativa? Porquê?

3. Implemente e apresente um aplicativo que demonstre as funcionalidades do MIT APP INVENTOR.