



Miguel Navarro
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Intelligent Consultation Assistant

ICA

Introduction

Goal

State of Art

Development

Navigation

REC

Registre Électronique
De Consultation



ICA

Intelligent Consultation
Assistant



ANDROID

Goal

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Why Android?

Open Source



Proprietary System



Goal

State of Art

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Navigation

- Equipment Price

Android

< 150 €



iOS

~400 €



Goal

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Navigation

- Equipment Price

Android

< 150 €



Ubuntu

~220 €



Goal

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Native App

- + Complete Control of system features
- + More Efficient

X Just works in one OS

WebApp

- + Works in any OS over a browser
- + Needs net connection

X Can't use all system elements

Goal

State of Art

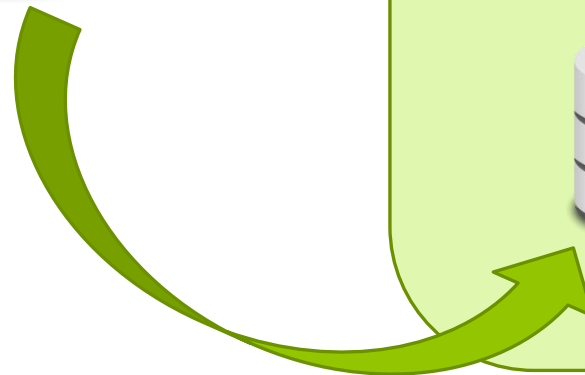
Development

Navigation

**Original Database
SQLite**



**Adapted
Database
SQLite
For Android**



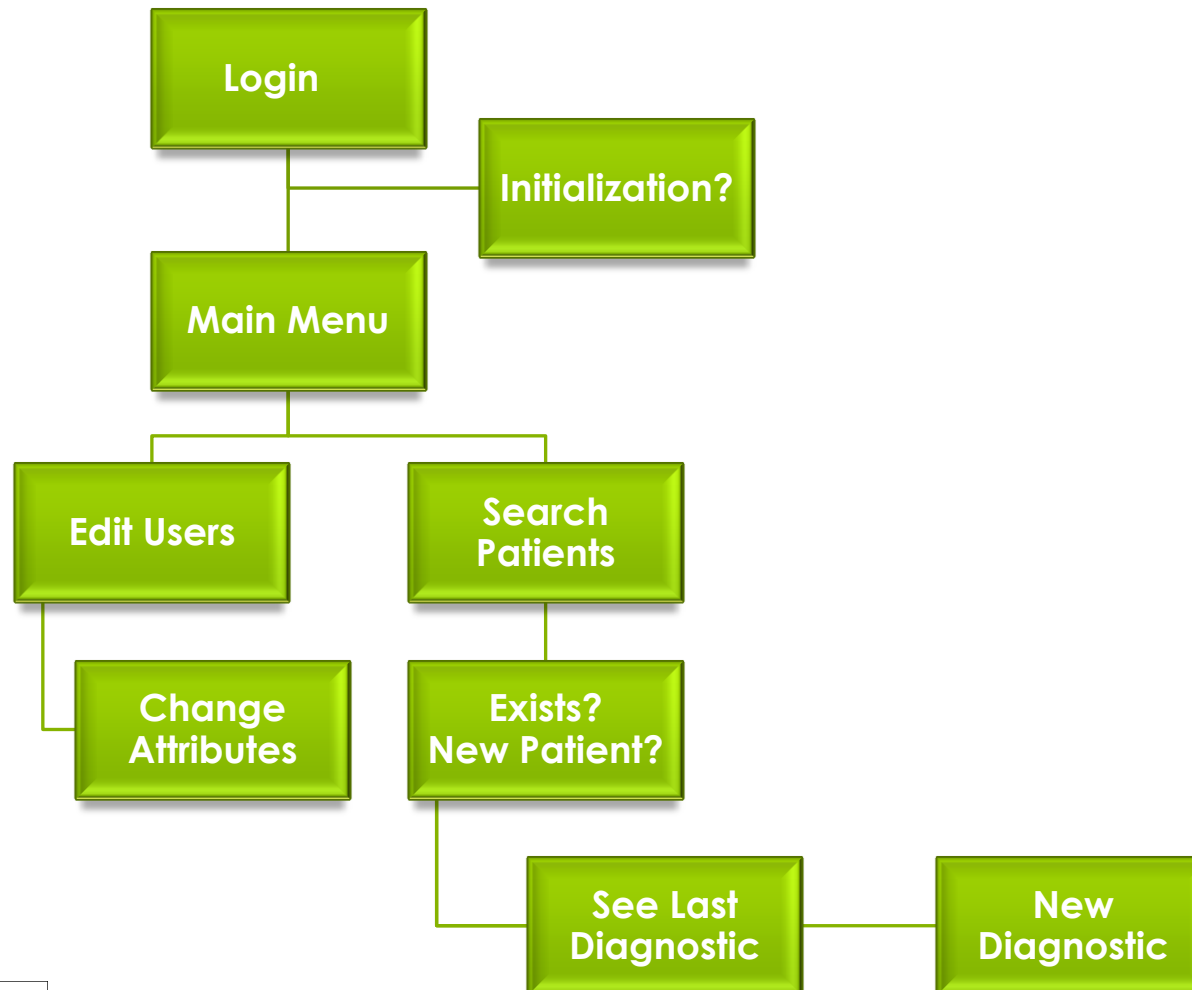
System Diagram

Goal

State of Art

Development

Navigation



Goal

State of Art

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Navigation

- Size APK file:
2.62 MB
- Size database empty created:
688 KB
- Size of previous Application
58.32 MB


Navigation Diagram

Goal

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 Initialization

Welcome

This assistant will guide you through the initialization of the application
Please select the treatment center's location

Select Location

Selected Location:

Louta

Please enter your administrator account's details


Full Name

User


Password


Password (Repeated)

Setup Center

 Intelligent Consultation Assistant

Main Menu

 Search Patient

 Manage Users

Logout


Navigation Diagram

Goal

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Navigation

 Introduce Data of Patient

Introduce Data

First Name

Last Name

Gender
☐ Male ☐ Female

Date of Birth

Village

 Patient Information

Test Patient

 Male - 2012-10-30
Kouy - Tougan

Last Measures

| | |
|-------------------|-------|
| Weight (kg): | 4.8 |
| Height (cm): | 67.0 |
| Temperature (°C): | 36.7 |
| Muac (mm): | 110.0 |


Navigation Diagram

Goal

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 Getting Signs

Signes de danger

Demander : l'enfant est-il incapable de boire ou de prendre le sein ?
☒ Yes ☐ No


Demander : l'enfant vomit-il tout ce qu'il consomme ?
☐ Yes ☒ No

Demander : l'enfant a-t-il eu des convulsions récemment ?
☐ Yes ☒ No

Observer : l'enfant est-il léthargique ou inconscient ?
☐ Yes ☒ No

Observer : l'enfant convulse t-il actuellement ?
☐ Yes ☒ No

Next

 Diagnostic

2013-01-30 16:34:18

Signes de danger

Signe général de danger présent

Fièvre

Maladie fébrile très grave ou paludisme grave

Anémie

Pas d'anémie

Etat nutritionnel

Non applicable : enfant de moins de 6 mois

Return



THANKS!

MERCI!