

ManiHome

Martin&Thomas

Manipal, India

FINAL DISSERTATION REPORT
SUBMITTED TO MANIPAL UNIVERSITY, MANIPAL



in partial fulfilment of the requirements for the award of degree of

MASTER OF COMPUTER APPLICATIONS

By

Martin KINOO (Reg.No 160983008)

Under the guidance of

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DEPARTMENT OF COMPUTER APPLICATIONS
MANIPAL INSTITUTE OF TECHNOLOGY
(A constitute college of Manipal University)
MANIPAL-576104, KARNATAKA , INDIA



March 2017

Date: 15/05/2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the project report entitled **ManiHome** is an authenticated record of the project work carried out by Martin Kinoo , in partial fulfilment of the requirements for the award of degree of **Master of Computer Applications** offered by Manipal University, under my guidance and supervision from 01/08/2016 to 31/05/2017

External Guide

Signature

Seal

Place: Manipal

Date: 15/05/2017

DECLARATION

I hereby declare that the project work entitled "(**ManiHome**)" is original and has been carried out at Manipal University, MCA under the guidance of (ExternalGuideName/InternalGuide, as Applicable) and (Internal Guide Name). I further declare that the work reported in this document has not been submitted either in part or full to any other Institute/University for the award of any other degree.

Martin KINOO

Reg.No 160983008

Date: 15/05/2017

CERTIFICATE

This is to certify that the project report entitled "(**ManiHome**)" is an authenticated record of the project work carried out by "(Martin KINOO)" (160983008), in partial fulfilment of the requirements for the award of degree of Master of Computer Applications offered by Manipal University, under my guidance and supervision, from 01/08/2016 to 31/05/2017.

Internal guide

HOD

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Martin KINOO

ABSTRACT

ManiHome is a solution to find easily a flat/house in Manipal. It's a centralized mobile application where everyone can browse, add and view available accommodations and chat easily with the owner of this one. It's a first in the area, no existante solution is available and we offer a free alternative to brokers.

The system is a mobile application and a server that will contain the database. We built the mobile application using React-native library (node.js) and the server using Phoenix Framework (elixir)
The source code is versionned on Github and is open-source.

Doing this project made me improve greatly my knowledge in mobile and server development in two different languages, it was a challenge to offer the best user interface on the application.

It was interesting to make a project that can be usefull to a large amount of people (students of manipal) and find a way to create a innovative product that have a real need. We choosed to not monetize the application but it would be fairly easy to make it rentable.

Tools used :

- versionning : git
- server hosting: linux
- mobile plateform: android
- continuous integration: travis-ci
- server framework : Phoenix - elixir
- application framework : React-Native (node.js)
- project managment: github - agile