Table of Contents

[1. Introduction 4](#_Toc42871685)

[2. General presentation 6](#_Toc42871686)

[2.1. Mobile application 6](#_Toc42871687)

[3. Informatic system requirements and analysis 9](#_Toc42871688)

[3.1. System requirements 9](#_Toc42871689)

[3.2. Use cases 10](#_Toc42871690)

[3.3. System analysis 12](#_Toc42871691)

[3.4. Static analysis 12](#_Toc42871692)

[3.5. Dynamic analysis 13](#_Toc42871693)

[4. Informatic system design 19](#_Toc42871694)

[4.1. Detailed class diagram 19](#_Toc42871695)

[4.2. Database design 20](#_Toc42871696)

[4.3. User interface design 21](#_Toc42871697)

[4.4. Component diagram 23](#_Toc42871698)

[4.5. Deployment diagram 24](#_Toc42871699)

[5. Application implementation 25](#_Toc42871700)

[5.1. Steganographic algorithms 26](#_Toc42871701)

[6. Application usage 29](#_Toc42871702)

[7. Steganographic output analysis 31](#_Toc42871703)

[8. Conclusions and recommendations 32](#_Toc42871704)

[9. Bibliography 33](#_Toc42871705)