

Mobile IELTS Listening Test System

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Abstract

IELTS, is a system or an international standardization test of English language that tests proficiency for the non-native English speaker. One of the assessments of IELTS is the listening test. There exist paper-based tests and computer-based tests, the Mobile IELTS Listening Test System is to provide an additional option which is to allow English listening tests to be conducted using a mobile phone. In which could reduce the tools required, and further expand IELTS testing centers.

Problem Statement

IELTS test usually comes with two method of taking the test. For listening test, candidates tends to choose computer-based test for better exam experience unlike traditional paper-based test which often **caused many distraction** during the test. However, computer-delivered test requires IELTS organization to spend more money to invest in computer-based test centres and the maintenance fees higher. Paper-based test also could be **difficult to manage** and it requires **heavy paperwork** for test markers.

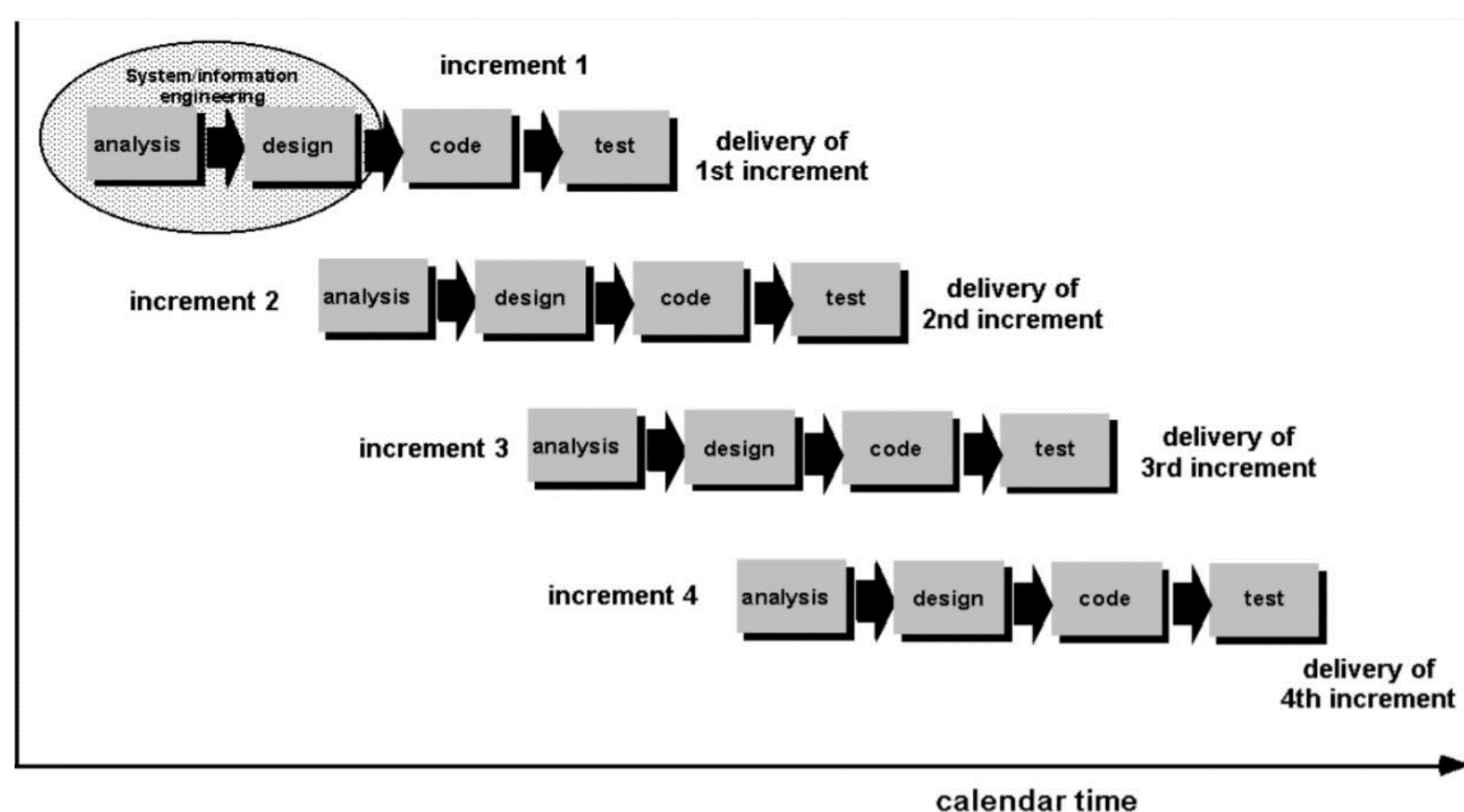
Objectives

Our main objective is not to replace the current methods of taking exams. Instead, the application would provide the test takers more options on how they can take their IELTS. By providing them more options, test takers can comfortably choose which is the most ideal way of taking exams.

1. To provide a better and more comfortable user interface and experience for the candidates when taking the exam.
2. To prevent and minimize any unnecessary human errors.
3. To reduce paperwork with database management system and provide automated grading system.

Design and Methodology

The Mobile IELTS Listening Test uses the incremental model as its software development methodology. Incremental model is one of the Evolutionary Software Process models. It delivers the product functions version by version. Each increment will deliver a system incorporates with some of the functionality to the customers or end users. Incremental model also allows us to maintain the system in a easier way. Since the system is developed from stages to stages.



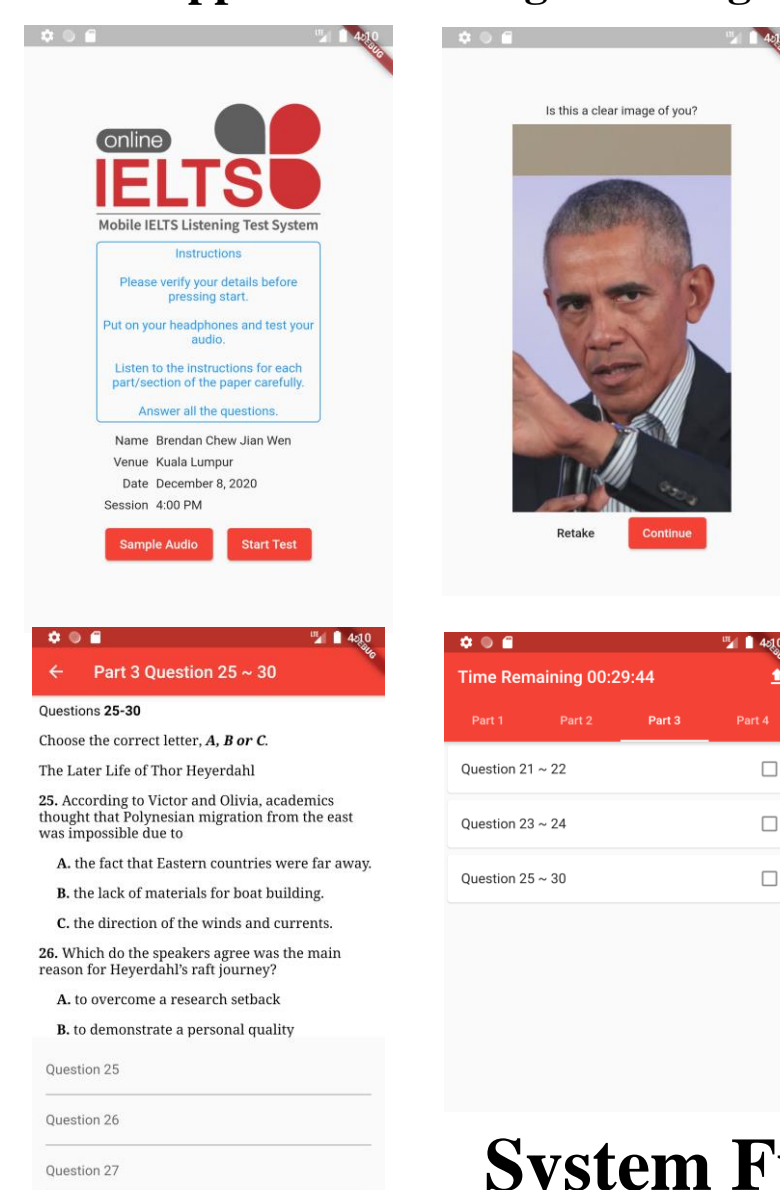
Construction and Testing

Development Tools and Programming Languages

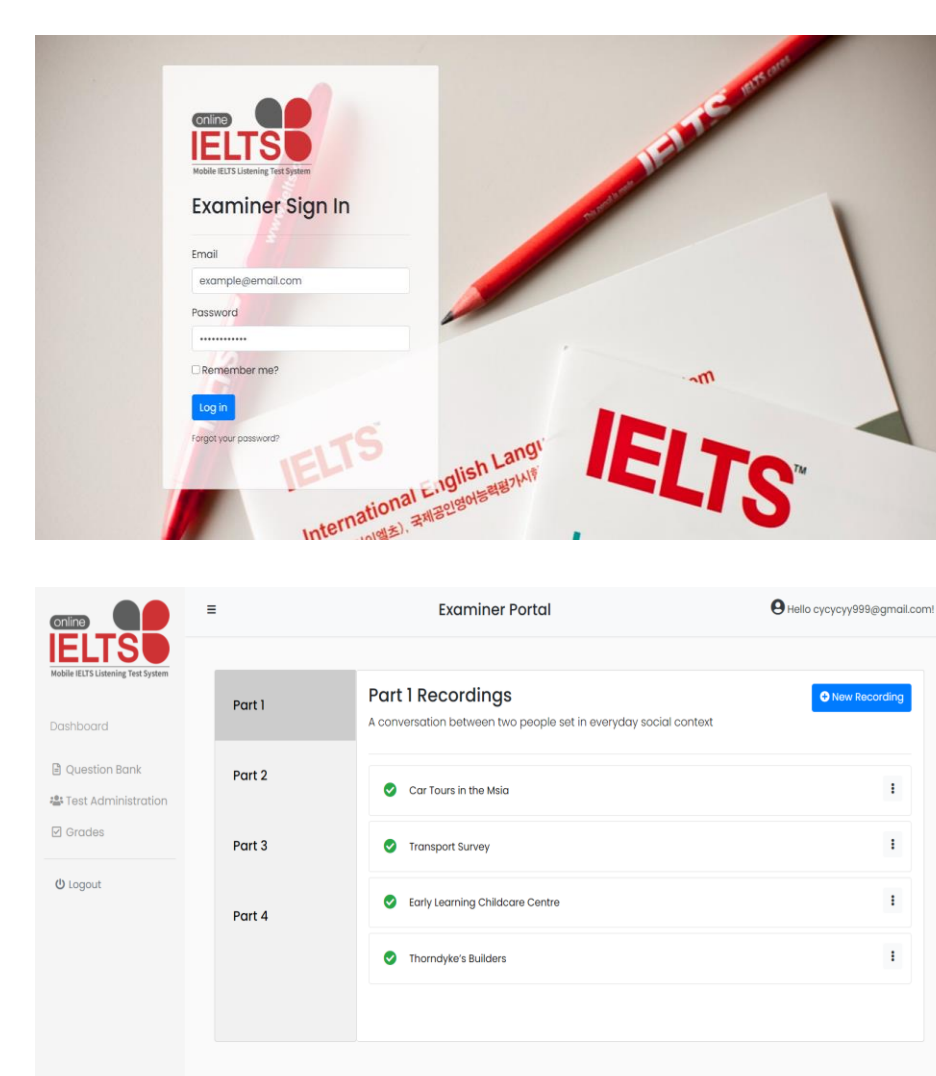


System User Interface

Mobile App for Answering Listening Test



Examiner/Admin Portal



System Functional Module

Mobile App for Answering Listening Test



Verify Candidates Identity



Answering Test



Listening Test Recordings

Examiner Portal



Manage Question Bank



Test Administration



Grades Maintenance

Innovations



Face Recognition
Verify Identity of
Candidates



Randomised
Recordings &
Questions

Contribution

1. Reduced distractions and reduced human errors
2. Allow the test centers expand much easier
3. Easier to manage test questions and answers
4. Automated the traditional grading system.

Conclusion

By using incremental model, this project was delivered successfully and all the requirements were fulfilled after several testing were done. This project was successfully achieve the aims to provide a better and more comfortable user interface and experience for the candidates when taking the listening test. The examiner portal also help to reduce paperwork with database management system and provide a better ways to manage the test questions by using the question bank module.