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# NorwichTravel: developing usable software

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## Abstract

As technology becomes more accessible and prevalent in today's society, the demand in industry for Mobile Applications to be accessible to all potential users is growing. NORWICH-TRAVEL is an app built in React Native with a focus on ease of use. Specifically handling users who are visually impaired and might possess limited motor skills.

## 1 Introduction

In this report we will explore what it means for a Mobile Application (app) to be usable and accessible to all potential users. Specifically looking into the industry standard guidelines related to app. Then we follow the development cycle of NORWICHTRAVEL as it progresses to be increasingly more user friendly.

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## 2 Usability and Accessibility

### 2.1 Why is Usability and Accessibility Important?

### 2.2 Industry Guidelines

## 3 NorwichTravel

### 3.1 Proposed Functionality

### 3.2 Target Audiences

### 3.3 Documentation Overview

## 4 Designing for Usability and Accessibility

### 4.1 Conforming to Guidelines

### 4.2 Compromises Made

## 5 Evaluating NorwichTravel

### 5.1 Prototyping

#### 5.1.1 Think-Aloud Evaluation

### 5.2 “Glasses” Test

### 5.3 Industry Tools

### 5.4 Results and Adjustments to NorwichTravel

#### 5.4.1 Major Issues

#### 5.4.2 Addressing Issues

#### 5.4.3 Open Issues

## 6 Conclusions

### 6.1 Was NorwichTravel fit for purpose?

### 6.2 Was NorwichTravel accessible to the target user groups?

## References