

**UNIVERSITI TEKNOLOGI MARA**

**BreedCat i-Care: THE DEVELOPMENT OF BREEDER CAT  
CARE MOBILE APPLICATION**

**NUR FAZLEN IDAYU BINTI JAHARUDDIN**

**BACHELOR OF INFORMATION TECHNOLOGY (Hons.)  
FACULTY OF COMPUTER AND MATHEMATICAL SCIENCES**

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## **ABSTRACT**

All animals, including breed cat, need to be cared and loved. However, not much attention is given to breed cat. Therefore, this project, which is BreedCat i-Care mobile application is intended to teach the cat owner on how to take care of their breed cat. The objectives of this project are to identify the user requirement for BreedCat i-Care mobile application, to design and develop the breedCat i-Care by following the Mobile Development Life Cycle (MADLC) methodology during the development process. This mobile application will be used Android Studio software with java programming to provide an efficient application. In addition, to make this mobile application be more interesting, the multimedia elements is included such as video-based audio. Furthermore, BreedCat i-Care mobile application have provide platform to find the breeders within Shah Alam area using geolocation. Last but not least, based on the results of testing phase, it shows that this project will benefits several parties such as the breed cat owners as this mobile application will help them to learn on how to take care of breed cat interactively, the designer and developers will develop the mobile application that brings benefits to the community. For future recommendation, this mobile application can also be used in iOS platform and can add more value of interactive element such as 360 degrees videos to get attraction from users.

**Keywords:** BreedCat i-Care, Mobile Application, Geolocation, Mobile Development Life Cycle (MADLC), Android Studio, Java Programming

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# CHAPTER 1

## INTRODUCTION

This chapter covers on the project background as well as the problem statement for development of BreadCat-iCare Mobile Application. Apart from that, this chapter also discusses on the project objectives, scope, limitations, significance and concludes with the suggestion of a mobile application development.

### 1.1 Project Background

Cats are typically referred to as either domestic or purebred. Domestic cats, although purebred cats, do not have a pedigree background of their ancestors. Some breeds have been around for many, many years and have thus garnered a following of cat lovers. There are some type of breeds that may have grown in popularity due to a movie that featured one of their own, personality traits that are unique, or physical appearances that leave them hard to forget. For instance, Abyssinian, American Shorthair, British Shorthair, Bengal, Burmese, Exotic Shorthair, Siamese, Persian, and Maine Coon. Every breeds have their own characteristics that make the different every each of them. (Kruzer, A, 2019)

BreedCat i-Care mobile applications ia a mobile application about cat breeds. This mobile application will be developed and designed for people who want to take care of breed cats, not domestic cats. Franny Syufy (2019) have mention a breed cat with body types, coats and/or color pattern is any cat of unknown origin. The cat may have similar markings to one or another breed, but the coat is listed as a mixed breed unless there is a long line of genealogy records or registry registration with the Cat Fanciers' Association or other organization. Genetics and environment each play a role in an animal's development, and one can never be certain how a particular cat will act and react to his humans or surroundings.

Thus, the development of BreedCat i-Care mobile application is proposed to acknowledge people on how to take care of breed cats. This application will give knowledge in many ways, which are by videos, tips and also provide audio that have lullaby songs for cat to sleep easily. Many videos have been shown to the owners, such as how breed cat give birth, how to make cat sleep easily, how to know about breed