

**BINUS UNIVERSITY**

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Major Computer Science  
Sarjana Komputer Thesis  
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**DESIGN AND IMPLEMENTATION FOR IPHONE AND IPAD APPLICATION:  
SEARCH, MARK POST, PRAY AND OTHERS FOR SALT AND LIGHT  
CATHOLIC MEDIA FOUNDATION CANADA**

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Salt and Light Catholic Media Foundation Canada, the client of the author for thesis, has the objective to develop iPhone and iPad application. The application can bring benefit to share the Gospel to the people by using the advantage of mobile technology.

The author chooses UCSD as the methodology of the software development lifecycle. UCSD is a methodology that focuses on user preferences and requirements. The software development involves Objective-C as the programming language and XCode as the IDE. The author also uses some other technologies, which are Core Data, Sqlite, XML and RSS.

The UCSD and whole software development lifecycle results in fully functioned Salt and Light application that features all requirements from client. The applications can be used to search, mark read post, prayer request, donate, read prayers, about and info.

The author can conclude that the mobile technology that is widely used by human can be used by client to spread Gospel and fulfill its vision and mission. The author also can say that after whole software development cycle, UCSD methodology helps the author to develop the application has full functions of the requirements given by client.

Keywords: Salt and Light, iPhone, iPad, iOS, XCode, Objective-C, Cocoa Touch, Core Data, RSS, Sqlite, XML, MVC, UCSD