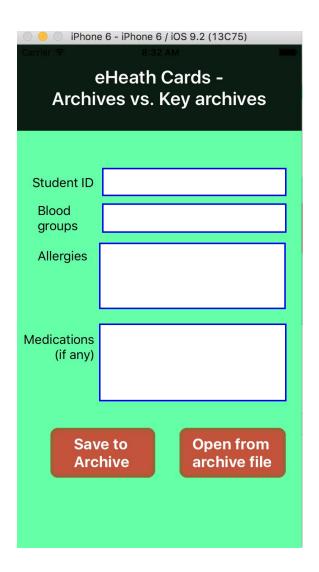
CMPE 297, Advanced Topics Assignment 2 - Archives

Khanh Dao (006720389)



Main Code:

```
func documentsDirectory() -> String {
    let documentsFolderPath =
    NSSearchPathForDirectoriesInDomains(NSSearchPathDirectory.DocumentDirectory,
    NSSearchPathDomainMask.UserDomainMask, true)[0]
        return documentsFolderPath
    }
    //Helper function to get filepath
    func fileInDocumentsDirectory(filename: String) -> String {
```

```
let writePath = (documentsDirectory() as
NSString).stringByAppendingPathComponent("Mobile")
        //Check file if existing
        if (!NSFileManager.defaultManager().fileExistsAtPath(writePath)) {
            do {
                try NSFileManager.defaultManager().createDirectoryAtPath(writePath,
withIntermediateDirectories: false, attributes: nil) }
            catch let error as NSError {
                print(error.localizedDescription);
            }
        return (writePath as NSString).stringByAppendingPathComponent(filename)
   }
   @IBAction func saveArchiveBtn(sender: UIButton) {
        let cardArr = [studentIdField.text, bloodGroupField.text,
allergiesField.text, medicationField.text]
        NSKeyedArchiver.archiveRootObject(cardArr, toFile: dataFilePath!)
   @IBAction func openArchiveBtn(sender: UIButton) {
        let dataArray = NSKeyedUnarchiver.unarchiveObjectWithFile(dataFilePath!) as!
[String]
        studentIdField.text = dataArray[0]
        bloodGroupField.text = dataArray[1]
        allergiesField.text = dataArray[2]
        medicationField.text = dataArray[3]
   }
```

Result

1 bplist000^AABACADAEAFA[^\X\$versionX\$objectsY\$archiverT\$topAR\@A\486> §\G\H\Q\R\S\T\U\U\null\d
2 \AK\PZNS.objects\\$class\L\M\N\0<80>\B\480>\AE\480>\AE\480>\F\480\AE\480>\AE\480