Task: Login.Storyboard

1. **For all Views in Login**
    a. Create a Swift file for handling errors for incorrect syntax for txtFields email, pin
    b. Custom errors
2. **View: Login (LoginViewController.swift)**
    a. Username as email and 4 digit pin stored in a key/value pair using UserDefault storage
    b. Check to see if email is stored – then check pin with key : email
        i.   Give user 3 chances to get key/value pair correct
        ii. If no email exist – then go to View : Sign Up
        iii. If email but pin incorrect – go to View : Forgot Pin
        iv. If email/pin pair – go to View: Welcome Page
    c. User click Forgot Pin
        i.   Check if email exist
            ▪   If email exist – go to View: Forgot Pin with txtEmail prefilled
            ▪   If email no exist – go to View: Sign up
    d. when login page loads – Remember me switch isON – prefill txtEmail (only if same session when user finish the entire app process – go back to View**: Login**
3. **View: ForgotPin (LoginViewController.swift)**
    a. Prefill txtEmail
    b. btnSave is pressed
        i.   Check txtPin.length == 4 (can contain character and integer
        ii. Check txtPin.equals(txtPinAgain)
        iii. After 5 attempts for txtPin.equals(txtPinAgain) go to View: Login
        iv. If txtPIn.equals(txtPinAgain) – Go back to Vew:Login w/ text fields prefilled
4. **View: Sign Up (SignUpViewController.swift)**
    a. Check txtEmail is valid – check 3 times – go back to View: Login
    b. If txtEmail is valid
    c. Check txtPIn.length == 4
    d. If txtPIn.length == 4 → check txtPIn.equals(txtPinAgain)
        i.   Get three chances
        ii. Go back to View: Login
5. **View: Welcome**
    a. Shows Welcome Screen with btnBegin that takes you to the View: Services TableView
    b. Show some animation when working on Visual Design

Task: ViewServices and Survey

1. View: Service Detail TableView
   a. Create either a TableView or List for each Service wanting a survey
   b. When user click on one of the Service btnGo – go the that Service View
   c. Four Services- Rooms, Dining, Spa/Pool, & Gym
   d. On each Service Food, user has option to go back to View: Services or go to View: Overall ratings by pressing the btnSubmitSurvey
   e. If user go back to View: Services that Section should be inactive for user to press 'again'
2. View: ServiceSurvey
   a. A template for all Four Service Surveys
      i. 5 Question stored in a Set()
         1. Q1:
         2. Q2:
         3. Q3:
         4. Q4:
         5. Q5:
      ii. With 4 Ratings stored in Dictionary(key:Integer, value:String)
         1. Value & Rating are Excellent as 20pts, Good as 10pt, Fair as 5pt, Poor as 0pt
         2. Total for each is 100pt with Total for all is 400pt
         3. If total for each is less that 75pt; then inform user that they rated the Hotel below good and ask why on View: BadRating
      iii. Each rating for question use SegmentControl w/ a switch statement
3. View: OverallRating
   a. Thank customer for feedback and ask them to rate overall experience
   b. Or calculate all survey and pre filled each star for every 100 pts calculated from survey
   c. If 3 or less Stars filled – go to View: BadRating and ask for input
   d. Either Good or Bad rating – Offfer a coupon for $50 off next trip book on Hotels.com