**RESEARCH PROPOSAL**

**Student IDs:** 11110448. 120008396. 10925996.

**Student Name(s):** Cara Hanson. Sanjit Birla. Krishal Kishor.

**Topic:** Mobile and Windows Applications.

**Research Proposal Title**:Hotel Cleaning Application.

**Describe the issue/problem/opportunity of the proposal?**

The issues faced in small to medium accommodation industries are ensuring the front desk is aware of the rooms completed and ensuring customers do not enter un-cleaned rooms. We have taken this opportunity to create an Android application for employees to be able to report back to the reception about which rooms have been cleaned while also allowing the front desk to assign staff to specific rooms that require cleaning.

**Aim and Objectives (1 aim and multiple objectives)**

Our aim is to create order and reduce loss of time for housekeepers and to ensure business objectives are met. Our objectives are as follows:

1] The android app is to have a user interface which is easy enough for staff to use without distractions.

2] The android app is to be functional to accurately report which rooms have been cleaned or which need to be cleaned.

3] The windows app is to have a user interface for management to easily assign cleaners to rooms that require cleaning.

4] The windows app is to display the list of rooms available and which need cleaning for management to see.

**Scope of your research (try to make it narrow):** To bring better communication between staff members within the accommodation industry, which will essentially save them time.

**What software methodology will be used and why? Resources needed.**

Agile software development would be the best sort of methodology to use for this project, as it’ll allow us to better iterate ‘sections’ of the project to tackle, and it’ll allow us, as a team, to better adapt with any new requirements or features that may come our way. The resources we’ll be using will be: Android Studio, Visual Studio, Office 365, a database, and a mobile phone and computer for development and testing.

**What research question(s) are you trying to answer (only 1 question?)**

Will this application assist in better management and communication within the accommodation industries?