**Cleaning professional app functional requirements**

* App must allow cleaners to register by providing personal information, such as cleaning company name (details…)
* App must allow cleaning professionals to click the “Current Bookings” button on the main screen and display ongoing and upcoming bookings as a list with specifics (also allow cleaner to click “Request Cancellation” button for a specific booking, present a reason prompt, and a button to finalize cancellation request. Await admin response. Cancellation policy + more details…)
* App must track cleaners via geolocation (details…)
* App must allow cleaners to receive notifications (details…)
* App must allow cleaners to request a booking cancellation (Perhaps this will be done manually at first. Details…)
* App must save all information in a database (details…)
* App must allow cleaners to notify customer when they’re on their way, when they arrive, and when they finish.
* App must allow cleaner to rate experience upon job completion.
* App must continue to function without a network connection.
* App must allow cleaners to see and edit profile information (deployment base + details…)

**Cleaning professional app non-functional requirements**

* App must comply with all relevant regulations.
* Cleaner app must integrate with customer app.
* App must integrate with third party software (e.g. Stripe, Azure, Salesforce, Kissmetrics, Bench, etc.)
* App must have strong cybersecurity in place to adequately protect users’ personal information.
* App must provide users with legal documentation for signature (details…)

**Use Case – What’s the goal? Who desires the goal? How is the goal accomplished?**

**Title – Register new cleaner**

Actor – Cleaner

Scenario – **Cleaner** *clicks* “Register” button in initial screen. System *takes cleaner* to the cleaner registration screen. System *displays* **form** with input fields. Cleaner *fills in* **required information**. System displays **legal documentation link** and checkmark box at the bottom. Cleaner clicks “Register Now” button. System takes cleaner to the default screen and displays a confirmation pending **notification**. System *sends* **email** to **main admin** and **CC admin**. System sends cleaner an email notification of pending approval.

[Extensions & Preconditions]

**Candidate objects:**

1. Cleaner
2. Push Notification
3. Cleaner Registration
4. Legal Documentation
5. Email
6. Main Administrator
7. Cleaning Company Administrator

**Responsibilities:**

1. Send push notification confirmation to cleaner
2. Send email confirmation to main admin
3. Send email confirmation to CC admin
4. Enter cleaner registration information
5. Save info and update database

**Title – Display current bookings**

Actor – Cleaner

Scenario – **Cleaner** clicks “Current Bookings” button in post-registration default screen. Cleaner is taken to a **list** of ongoing and upcoming bookings. Cleaner can select any **list element**, which *displays* more specific **booking information**, including a “Request Cancellation” button at the bottom of each list element.

[Extensions & Preconditions]

**Candidate objects:**

1. Cleaner
2. Booking List
3. Booking Information

**Responsibilities:**

1. Display bookings list
2. Display specific list element booking information

**Title – Geo-track cleaners**

Actor – GPS system? Part of Xamarin/Visual Studio?

Scenario – System *tracks* **cleaner**’s **geolocation** continuously while the application is running and *stores* **data**.

[Extensions & Preconditions]

**Candidate objects:**

1. Geolocation
2. Database

**Responsibilities:**

1. Measure and track cleaner’s physical location
2. Store geolocation data in database

**Title – Start and stop job timer**

Actor – Cleaner

Scenario – **Cleaner** (slides switch inside a booking list element to begin) *starts* **job** and system *marks* **geolocation**. Cleaner (slides switch back off at the end of) *ends* job and system marks geolocation. System stores the time interval and uses it to generate the final actual quote for the service.

[Extensions & Preconditions]

**Candidate objects:**

1. Cleaner
2. Customer
3. Job
4. Geolocation
5. Push Notification
6. Payment
7. Main Admin
8. Email

**Responsibilities:**

1. Starts job
2. Ends job
3. Measure, track, and store job duration
4. Mark geolocation
5. Generate job total upon completion cost using ∆T
6. Notify customer of completion and total
7. Notify cleaner of completion
8. Charge customer credit card and create receipt
9. Email notify main admin

**Title – Receive in-app notifications**

Actor – Cleaner

Scenario – **Cleaner** clicks “Messages” button in the default screen. Cleaner is taken to a screen where the system *displays* a **list** of messages/notifications by date.

[Extensions & Preconditions]

**Candidate objects:**

1. Cleaner
2. Messages
3. Push Notification

**Responsibilities:**

1. Display messages/notifications list by date

**Title – Request booking cancellation**

Actor – Cleaner

Scenario – **Cleaner** (clicks “Request Cancellation” button inside a booking list element) *requests* **cancellation**. Cleaner is taken to a form screen (with a box to input a reason, with a “Submit Request” button at the end). Cleaner clicks button and is taken back to the default screen where a confirmation **pending notification** is *displayed*. Email *notify* **main admin** and await response. [Cancellation policy?]

[Extensions & Preconditions]

**Candidate objects:**

1. Cleaner
2. Booking Information
3. Cleaner Cancellation
4. Push Notification
5. Email
6. Main Admin

**Responsibilities:**

1. Display cleaner cancellation form
2. Accept user input
3. Create cancellation request
4. Email notify main admin
5. Push notify cleaner of pending request

**Title – Rate experience**

Actor – Cleaner

Scenario – **Cleaner** (slides switch back off to finish) *ends* **job**. System *displays* a “Rate Experience” **notification**, with an option to select number of stars. Cleaner *clicks* number of stars and system stores data. Cleaner is taken back to default screen, with updated booking status.

[Extensions & Preconditions]

**Candidate objects:**

1. Cleaner
2. Job
3. Push Notification
4. Rate Experience

**Responsibilities:**

1. End job
2. Display ‘rate experience’ notification
3. Select number of stars
4. Save and store response
5. Update booking/job status

**Title – Function without network connection**

Actor – Main admin? Or system~?

Scenario – System must continue to *function* smoothly without a **network connection**.

[Extensions & Preconditions]

**Candidate objects:**

1. Network

**Responsibilities:**

1. Cleaner app functions with or without a network connection

**Title – Edit profile information**

Actor – Cleaner

Scenario – **Cleaner** clicks “Profile” button. Cleaner is taken to a **form** screen. Cleaner can *edit* the **fields** and click “Save Changes” button to *update* their **profile information**.

[Extensions & Preconditions]

**Candidate objects:**

1. Cleaner
2. Profile information

**Responsibilities:**

1. Accept user input
2. Update and store information

**Title – Store data in database**

Actor – System~?

Scenario – System *stores* all **data** (forms, geolocation, activity~, etc.) in third party **software**, such as Microsoft Azure or Amazon Web Services.

[Extensions & Preconditions]

**Candidate objects:**

1. Data
2. Database

**Responsibilities:**

1. Store all data in database
2. Ability to retrieve any data (SQL)
3. Display all data to main administrator