

## **Due March 4th**

Team 3: Indecisive Coders

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**Write two of your most important use cases for the system that you're developing.** Use Cases as Somerville says "In their simplest form, a use case identifies the actors involved in an interaction and names the type of interaction. You then add additional information describing the interaction with the system." Here are a couple of examples of use cases in the text on page 125 of the text:

*Setup consultation allows two or more doctors, working in different offices, to view the same patient record at the same time. One doctor initiates the consultation by choosing the people involved from a dropdown menu of doctors who are online. The patient record is then displayed on their screens, but only the initiating doctor can edit the record. In addition, a text chat window is created to help coordinate actions. It is assumed that a phone call for voice communication can be separately arranged*

...and page 145 of the text

## Our Use Cases:

### 1. Submit Review for a Business:

**Actors:** User, Business Profile

**Description:** A user wants to submit a review for a business listed on Rankify. The user navigates to the business profile, selects the option to leave a review, and inputs their feedback along with a rating. They may also have the option to include additional details or images to support their review. Once submitted, the review becomes visible to other users visiting the business profile.

**Data:** User's review content, rating, timestamp

**Stimulus:** User submits review through the Rankify interface

**Response:** Review is successfully added to the business profile, and the user receives a confirmation message.

**Comments:** The review submission process should include validation checks to ensure that the review meets any required criteria (e.g., minimum length, appropriate language). Additionally, the system should prevent spam or abusive content through moderation tools.

### 2. Update Business Information:

**Actors:** Business Owner, Administrator

**Description:** A business owner needs to update information about their business listed on Rankify, such as operating hours, contact details, or address. The business owner logs into their account, accesses the business profile management section, and makes the necessary edits. Upon submission, the changes are reflected on the business profile for users to see. In case of any disputes or inaccuracies, an administrator may review and approve the changes.

**Data:** Updated business information (e.g., hours, contact details)

**Stimulus:** The business owner initiates the update process through the Rankify interface

**Response:** Changes are successfully applied to the business profile, and the business owner receives a confirmation message. If required, an administrator reviews and approves the changes.

**Comments:** Access to updated business information should be restricted to authorized users (i.e., business owners) to maintain data integrity. The system should also log all changes made to business profiles for audit purposes.

**Take those use cases and create the corresponding sequence diagram (S)for each of those use cases.** As an intermediate step it may help for you to think of the objects required for the use case and create a flowchart diagram (activity diagram) pg 143 of the actions that the task requires. Pages 147 and 148 give examples of sequence diagrams including one of the transfer data use case above.

Put these files in your repository on Git Hub, upload copies of those files to this Dropbox, and submit links to each file in your GitHub repository.

