**Handy Helper**

**Use Case Specification**

**Revision History**

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| --- | --- | --- | --- |
| **Date** | **Revision #** | **Created By** | **Revision Notes** |
| 10/27/2020 | 1.0 | Yixuan Ma | UC. 3.02 Filter Helpers by location |
| 10/29/2020 | 2.0 | Yang Zhao | UC.6.01 Assign a user to an existing job listing |
| 11/03/2020 | 3.0 | Yixuan Ma | UC. 6.02 Set a price, either hourly or by project completion |
| 11/04/2020 | 4.0 | Yang Zhao | UC. 6.03 View all current bookings |
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**UC. 3.02 Filter Helpers by location**

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| **Actor(s):** | Customer |
| **Short Description:** | Actors can find suitable Helpers by using the filter function. |
| **Preconditions:** | Actors have logged in.  Actors switch to the searching interface. |
| **Postconditions:** | Updated the results in the search interface. |
| **Frequency of Use:** | High |
| **Normal Flow of Events:** | |
| 1.The use case begins when users appear on the “search” system.  2. The system displays location-related elements including:**[JP1: DDD]**   * Input field of searching by location * Matching results   3. Actors input locations into the field, and then press down “Enter” on the keyboard. **[JP2: FV]**  4. The system shows the results on the search page and the use case ends. | |
| **Alternative Flows:** | |
| *If <condition>, from Step N perform A1. ”Flow Name”:*  A1. Searching without inputting locations. Start from step 3:  1. If actors don’t input any location into the field, the flow of events will also continue to the step 5. | |
| **Exceptions:** | |
| E1. Cancel the searching system, from step 2:   1. Actors do not press any item and click cancel. 2. System closes the “searching” window and brings the user to the home page. And the use case ends. | |
| **<<Include>> Relationships:** | None |
| **<< Extend>> Relationships:** | None |
| **Business Rules:** |  |
| **Assumptions:** |  |

**UC.6.01 Assign a user to an existing job listing**

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| **Actor(s):** | Customer |
| **Short Description:** | Customer selects the preferred candidate helper to solve their problems. |
| **Preconditions:** | The two sides have talked to each other and the chosen helper has agreed to take the job before official assignment. |
| **Postconditions:** | The contract is officially confirmed and registered. Each party should fulfill their responsibilities. |
| **Frequency of Use:** | High |
| **Normal Flow of Events:** | |
| 1. Actors go over the resume of each candidate. **[JP1: DF-IN]**  2. Actors message their interested helpers and talk in detail about price, location, & time **[JP2: DF-OUT]**  3. Actors decides on a helper that meets all their requirements and asks the helper for final confirmation.  4. Actors assign the job to the desired helper by pressing the “assign” button.  5. The system will close the job listing from the job market when the helper confirms with “accept” and the use case ends. | |
| **Alternative Flows:** | |
| *If no candidate applied or no satisfying helpers applied for the job, from Step 1, Customers perform A1. “Active Reach-out”:*   1. Take advantage of the searching and filtering functionalities provided by the app and initiate conversation with helpers that Customer finds suitable but not apply for the job. **[JP3: DDD]** 2. Message and see if the business is workable. **[JP4: CN]** 3. If not, actors repeat the above routine until some helper is available.   *If the chosen helper declines the job listing after agreeing with the customer privately, From Step 5, perform A2. “RemedyActions”:*   1. Customer will find out why the chosen helper rejects the assignment. 2. Both sides will discuss – either some condition needs changing (e.g. time, price) or new helper comes in. | |
| **Exceptions:** | |
| *If either side changes their mind after official confirmation – either they inform the other side beforehand that the work will not continue, or they just don’t show up on the actual working day, from Step5 perform E1. ”AgreementBreakingException”:*   1. Find out who should be responsible. 2. The side at fault will pay a penalty to the other side. 3. The job listing status will automatically set back to “open” | |
| **<<Include>> Relationships:** |  |
| **<< Extend>> Relationships:** |  |
| **Business Rules:** |  |
| **Assumptions:** | 1. There are Helpers that provide exact service of what Customers want.  2. Messaging, Searching, Filtering functionalities work well. |

**UC. 6.02 Set a price, either hourly or by project completion**

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| **Actor(s):** | Helper |
| **Short Description:** | Actors can set a price for their offered service, and they can decide payment methods for customers, hourly pay or project completion pay. |
| **Preconditions:** | Actors should switch to the interface of setting prices. |
| **Postconditions:** | Setting or updating Helpers’ price of services |
| **Frequency of Use:** | High |
| **Normal Flow of Events:** | |
| 1.The use case begins when actors appear on the system of setting prices.  2. The system displays price setting-related elements including:**[JP1: DDD]**   * Input field of the price and hours * “SUBMIT” button   3. Actors input the price and hours into the field. **[JP2: FV]**  4. Actors click the “SUBMIT” button to save the price, and the Use Case ends. | |
| **Alternative Flows:** | |
| *None* | |
| **Exceptions:** | |
| E1. Cancel the setting price system, from step 3:   1. Actors do not input price and click cancel. 2. System closes the setting price system and brings the user to the personal account page. And the use case ends. | |
| **<<Include>> Relationships:** | None |
| **<< Extend>> Relationships:** | None |
| **Business Rules:** |  |
| **Assumptions:** |  |

**UC. 6.03 View all current bookings**

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| **Actor(s):** | Helper; Customer |
| **Short Description:** | Helpers and Customers enter the corresponding page to check details of all the current bookings (in-process or completed ones) they placed. |
| **Preconditions:** | • They are registered as users and successfully logged into individual accounts.  • They actually placed some bookings.  • The app operates well. |
| **Postconditions:** | Users can return to home page and use other functionalities |
| **Frequency of Use:** | High |
| **Normal Flow of Events:** | |
| 1. Actors get into personal account and click item “current bookings”  2. Actors can check the year filter function and then press down “Enter” on the keyboard. **[JP1: FV]**  3. A list of current bookings (brief description) show up. **[JP2: DDD]**  4. Press any item will get into the booking details, including working date, location, fee, contact person, etc. **[JP3: DF-IN]**  5. Actors get the info they need and turn back. | |
| **Alternative Flows:** | |
| *If <condition>, from Step N perform A1. ”Flow Name”:*  1.  2. | |
| **Exceptions:** | |
| *If no bookings show up when the preconditions are true , from Step 2 perform E1. ”ServerBreaksDown”:*  1. Either data were not written up to the server  2. Or the connection with server is broken **[JP4: CN]** | |
| **<<Include>> Relationships:** |  |
| **<< Extend>> Relationships:** |  |
| **Business Rules:** |  |
| **Assumptions:** |  |