**GP1 Team Assignment: *Team: CS03***

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**Part 1: User Stories**: x3 Functional Requirements (FR) and x1 Non-Functional Requirement (NFR)

|  |  |  |  |
| --- | --- | --- | --- |
| **USER STORY TEMPLATE** | | | |
| **No.** | **As a…** | **I want…** | **So that…** |
| *ATM Example* | *Bank Customer* | *To withdraw money from the ATM* | *I am not constrained by the bank’s opening hours* |
| 1: FR | Cinema customer | To make an online booking | I book in advance to get the tickets I need and the preferred seats I want |
| 2: FR | Cinema manager | Access privileges to list/create a new film showing on the website | Customer can see the new films and make bookings accordingly |
| 3: FR | Cinema customer | To cancel a booking | I can get a refund and seats are available for other customers |
| 4.NFR | Cinema customer | The website to have colour code for different film types | It is easier and quicker to identify the type of film type |

|  |  |  |  |
| --- | --- | --- | --- |
| **ACCEPTANCE CRITERIA TEMPLATE** | | | |
| **No.** | **Given** | **When** | **Then** |
| *ATM Example* | *My bank account is in credit and my card is valid* | *I request money at an ATM within my limit* | *The money should be dispensed* |
| 1: FR | There are seats available for the chosen performance | I’ve finished making the online booking | I should receive the confirmation and virtual ticket |
| 2: FR | There is a screen available for the specific start date | I create a new film showing | The new film information should be available on the website |
| 3: FR | The customer has a valid booking | The customer requests for the cancellation of booking | The money is refunded to the customer and seat availability is updated for the film |
| 4.NFR | The film is of a particular type | I look at the film on the website | It should have a colour code to indicate the film type |

**Part 2: Volere Template Shell**

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| --- | --- | --- | --- | --- | --- |
| **Requirement #:** | 1 | **Requirement Type:** | Functional | **Event/ BUC/ PUC #:** | Selecting a film to be booked online |
| **Description:** | Book tickets for a particular film online. | | | | |
| **Rationale:** | So that customers can book tickets in advance before arriving at the cinema and be allowed entry to the performance. | | | | |
| **Originator:** | Cinema Customer | | | | |
| **Fit Criterion:** | The customer is sent confirmation of their booking and receives a virtual ticket for the performance. | | | | |
| **Customer Satisfaction:** | | 5 | **Customer Dissatisfaction:** | | 4 |
| **Priority:** | *High* | | **Conflicts:** | None. | |
| **Supporting Materials** | | MICE Integrative Case Study, Part 2: Interview Notes, Section 4, List 1 Point 2 | | | |
| **History:** | | Created: 10th November 2021 | | | |
| **Comments:** | | Key: Customer Satisfaction/Dissatisfaction Likert Scale 1-5, with 1 = low and 5 = high.  Notes: Customer dissatisfaction is only 4 because if they can’t book online then they can still book at the cinema venue. | | | |
| ***Volere Shell*** | | ***acknowledgement to © Atlantic Systems Guild, 1995*** | | | |

**Part 3: Requirements Analysis**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Req. #1 : #2** | #2 | is | 2 | times more (\*) than | #1 |
| **Req. #1 : #3** | #3 | is | 3 | times more (\*) than | #1 |
| **Req. #2 : #3** | #3 | is | 2 | times more (\*) than | #2 |

(\*) more likely to be simpler to implement and therefore the “winner”

**Reasons for “winning” requirements:**

Write your reasons here under this heading.

#1 and #2

Requirement 2 is slightly more likely to be successfully implemented than requirement 1, because whilst both requirements are related to the creation of a new entity (one for showing, the other for booking) requirement 2 appears to have fewer steps and information required for making a new showing and the steps needed also appear to include less complicated processing. Requirement 2 appears to require the programming and processing of a few entry fields as well as some simple search functions and a small update procedure. Whereas, the creation of a new booking requires more entry fields to be processed to allow for the recording of customer details, as well as a check seat availability, adjust seat availability and the generation of confirmation and virtual ticket.

#1 and #3

Requirement 3 is moderately more likely to be successfully implemented than requirement 1, because there are fewer processing steps required in the deletion of a booking than there are in the creation of a new booking. The processing steps for requirement 1 also appear to be more complicated than the steps required for requirement 3. Requirement 3 appears to need a few select options to be programmed along with a small update process and a confirmation display whereas requirement 1 needs some select options to be programmed along with a few entry fields, check seat availability, adjust seat availability and confirmation display.

#2 and #3

Requirement 3 is slightly more likely to be successfully implemented than requirement 2, because the deletion of a booking appears to have fewer complicated processing steps for implementation than that required for the creation of a new film showing. Requirement 3 appears to need a few select options to be programmed along with adjusting seat availability and a confirmation display whereas the creation of a new film showing appears to need quite a lot of entry fields to be programmed and processed as well as multiple searches and small updates to be processed. Comparatively, requirement 2 is more difficult to implement than requirement 3 as it requires more information and processes to be handled.

In conclusion, requirement 3 is simplest to implement and therefore the winning requirement on pair wise comparison between the three functional requirements while, requirement 1 is the hardest to implement.

**References**

* Canvas lecture and tutorial notes for weeks 10-14 in particular, alongside guided reading
* Saaty, T. L. (2008) ‘Decision making with the analytic hierarchy process’. International Journal of Services Sciences. 1 (1). pp. 83-98

*If you have used any sources, you should ensure they are correctly attributed. Add them here using the Harvard (Business School/Computer Science) style notation. Referencing guide available via the UH* [*Library SkillUp*](https://herts.instructure.com/courses/61421)*.*