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**Project for SWE**

**Dr: Mona Zaki**

**By**

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| --- | --- | --- |
| ID | Name | Section |
| 1 | **Ahmed Eid Ali** | **1** |
| 2 | **Ebrahim Ahmed Rashed** | **1** |
| 3 | **Ahmed Adel Ahmed** | **1** |
| 4 | **Abdalla Mousa Mohammed** | **2** |
| 5 | **Saleh Mohammed Darwish** | **2** |
| 6 | **Mostafa Mohammed Elkhouly** | **3** |

**Project  
Pbt booking travelling**

**Description:**

PBT booking travelling is a web application that would facilitate online ticket booking of transportation such as airplanes, trains and buses, and this depending on the transportation available between places the user choice. Users would be provided to book their tickets according to their choice, they can book ticket show of desired day and suitable timing, the payment facility would also be provided online ticket cancelation process would also take place. This project is basically divided into two modules. First module is

**Admin** **Module**:-

Which controls all the process whereas.

**Member Module**:-

Actually uses the software associated with the website.

**Goals:**

1. Allow the user to choose the best route.
2. Clarify the available transportation for the user to travel.
3. Make it easy to store , search , add , remove and update the whole

System data.

**Internal goals:**

* Build customer trust.
* On-time delivery.
* Develop our experience and soft skills.
* Learn new technologies.
* Respect time.

**Strength:**

* Team spirit.
* Willingness to adopt new agile process and technology.
* Good domain knowledge.

**Weakness:**

* Uninterested discussions between us.
* Limited resources (hardware, tech, developer, and environment).
* Delay on some meetings.

**Project community:**

|  |  |  |
| --- | --- | --- |
| Name | Role | Availability |
| Ahmed Adel Ahmed | Product owner | 100% |
| Saleh Mohammed Darwish | Scrum master | 100% |
| Abdallah Moussa Mohammed | Web Designer | 100% |
| Mostafa Mohammed Elkhouly | Web Developer | 100% |
| Ahmed Eid Ali | Analyst | 100% |
| Ebrahim Ahmed Rashed | Designer | 100% |

**Schedule:**

Iteration: 2 week .

|  |  |  |
| --- | --- | --- |
| End | Start | sprint |
| 7/3/2018 | 22/2/2018 | 1 |
| 22/3/2018 | 8/3/2018 | 2 |
| 14/4/2018 | 1/4/2018 | 3 |
| 30/4/2018 | 15/4/2018 | 4 |

**Logistics:**

* 10:00 pm daily stand-up online meeting.
* 1:00 pm every Tuesday and Thursday meeting

at College .

**Features:**

|  |  |
| --- | --- |
| Customer priority | Features |
| Critical | Register |
| Critical | Add |
| Critical | Remove |
| Critical | Search |
| Critical | Update |
| Critical | Login |
| Critical | store pills |
| Medium | Delivery ticket |
| Critical | Admin add new transport company |
| Critical | Admin add new hotel |
| Critical | Admin identify the prices list of tickets |
| Critical | user know best route by map |
| Critical | user choose the number of passengers |
| Medium | user choose hotel to stay in |
| Critical | user fill a form to book transportation |
|  |  |
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|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**User stories**

**As a : user**

**I want to : create my profile**

**So I : register with my e-mail or social media account .**

**As a : passenger .**

**I want to : see travel companies**

**So I : open agents section and know all information about travel companies .**

**As a : passenger**

**I want to : book a ticket for travel .**

**So I : open booking section .**

**As a: passenger**

**I want to : Determine where I will travel from and where I will go**

**So I : write places on the booking form .**

**As a: passenger**

**I want to : know the available transportations I can travel with .**

**So I : After set places on form I will see the available transportation I can travel with .**

**As a : passenger**

**I want to : pay for ticket .**

**So I : choose the payment way .**

**As a : passenger**

**I want to : know the way to the nearest transport that I need if my current place hasn't my needing transport .**

**So I : Go to map section and know the nearest place that has the transportation I need .**

**As a : passnger**

**I want to : know the available at the destination place .**

**So I : open hotels section and see some information about the available hotels .**

**As a : passenger**

**I want to : Ask anything I don't know .**

**So I : select connect with website admins .**

**As a : user .**

**I want to : Know offers and discounts about transportation companies**

**So I : I will see it on the website home .**

**As an : Adminstrator**

**I want to : Add a transportation company .**

**So I : go to my database, go to companies table and add a new company .**

**As an : Adminstrator**

**I want to : Edit info for a company .**

**So I : go to my dashboard, select a company from company list and edit info .**

**As an : Adminstrator**

**I want to : Remove a company .**

**So I : go to my dashboard, select and remove the company .**

**As an : Adminstrator**

**I want to : add a path for travel**

**So I : go to my dashboard, add the new path .**

**I want to : Remove a company**

**So I : Go to database and remove the company .**

**Features By ID :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Dependency** | **Usage** | **Feature Name** | **ID** | **Customer value** |
|  | Critical | Register | 1 | Critical |
| 6,9,10,1 | Critical | Add | 2 | Critical |
| 1,6 | Critical | Remove | 3 | Critical |
| 1,6,12,13 | Critical | Search | 4 | Critical |
| 1,6,11 | Critical | Update | 5 | Critical |
|  | Critical | Login | 6 | Critical |
| 1,6 | Critical | Store Pills | 7 | Critical |
| 1,6,7,8 | Medium | Delivery | 8 | Medium |
| 1,6 | Critical | user choose the number of passengers | 9 | Critical |
| 1,6,7 | Critical | Admin add new transport company | 10 | Critical |
| 1,6 | Critical | Admin identify the prices list of tickets | 11 | Critical |
| 1,6 | Critical | user know best route by map | 12 | Critical |
| 1,6 | Critical | Clerk search medicine by number | 13 | Critical |
| 1,6 | Critical | user fill a form to book transportation | 14 | Critical |

**By Priority:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Dependency** | **Usage** | **Feature Name** | **ID** | **Customer value** |
|  | Critical | Register | 1 | Critical |
| 1,6 | Critical | Admin add new transport company | 9 | Critical |
| 1,6 | Critical | Identify the price list | 11 | Critical |
|  | Critical | Login | 6 | Critical |
| 6,9,10,1 | Critical | Add | 2 | Critical |
| 1,6,12,13 | Critical | Search | 4 | Critical |
| 1,6 | Critical |  | 12 | Critical |
| 1,6 | Critical |  | 13 | Critical |
| 1,6 | Critical | Store Pills | 7 | Critical |
| 1,6,11 | Critical | Update | 5 | Critical |
| 1,6,7 | Critical |  | 10 | Critical |
| 1,6 | Critical | Remove | 3 | Critical |
| 1,6,7,8 | Medium | Delivery | 8 | Medium |
| 1,6 | Critical |  | 14 | Critical |

**By dependency:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Customer**  **value** | **ID** | **Feature name** | **Technical**  **Uncertainty** | **Usage** | **Dependency** |
| Critical | 1 | Register | Low | Critical |  |
| Critical | 6 | LOG IN | Low | Critical | 1 |
| Critical | 7 | STORE PILLS | Low | Critical | 1,6 |
| Critical | 4 | SEARCH | High | Critical | 1,6,12,13 |
| Critical | 3 | REMOVE | High | Critical | 1,6 |
| Critical | 2 | ADD | Medium | Critical | 1,6,9,10 |
| Critical | 5 | UPDATE | Low | Critical | 1,6,11 |
| Critical | 9 | Admin add new medicine | Medium | Critical | 1,6 |
| Critical | 10 |  | Medium | Critical | 1,6 |
| Critical | 11 | Admin identify the prices list | Medium | Critical | 1,6 |
| Critical | 12 |  | Medium | Critical | 1,6 |
| Critical | 13 |  | Medium | Critical | 1,6 |
| Critical | 14 |  | Medium | Critical | 1,6 |
| Medium | 8 |  | High | Medium | 1,6,7 |

**FUNCTIONAL REQUIREMENT**:-

1- Block for the form of booking

1. Payment way

2- Block for showing agents info

2.0- Evaluate these agents

2.1 – Suggestion for new agents .

3- Block for asks .

4-Block for hotels of new places .

5- Block for the path if the needind transport doesn't exist at the user's current place .  
**Non-FUNCTIONAL REQUIREMENT:**

1- Readable  
2- perceivable  
3- likable