**Department of Computer Science**

Final Term Project Proposal, Spring 19-20

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| Course Title | Advanced Programming on Web Technologies | Section | B |

**Group Members:**

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**Project Title:**

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| Travel and Tour Management System |

**Role Types:**

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| **Roles** | **Description** |
| Customer | This user can make register an account. He can log into the account. He can then view different tours and properties for selection. An agent can also be selected. Searching can be done. Both property and agent can be reviewed and favored. He can edit his profile. Finally, he can view his currents bookings and history of purchases in this site. |
| Property Vendor/Host | Registered Property vendor/Host can check bookings, send and receive messages, add and manage properties, check reviews and check statistical data generated against his account. |
| Travel Agent | This user can make register another agent account. He can log into the account. This user can provide discount for offer prices. He can view different hotel & location and can give ratings. He can select job place and delete any hotel that he doesn’t want to work. He can select Customer’s request and start his job. He can give rating to Customer. Searching can be done. He can view/edit/deactivate his profile. He can also view history of his job/service. |

**Functional Requirements:**

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| **Modules** | **Features** |
| (M-1) Login Module | * (F-1) A registered user can enter his user name and password to enter into account homepage. If denied, he is sent back to the login page. |
| (M-2) Agent Module | * (F-1) A user can view any agent profile. * (F-2) He can give a give review score to the agent. * (F-3) He can update his review score of the agent. * (F-4) He can add the agent to favorite list. * (F-5) He can select an agent when booking for a tour. * (F-6) The calculated review score of the agent will be shown once loaded. |
| (M-3) Property Module | * (F-1) A user can view any tour. * (F-2) A user can view any property of any particular tour. * (F-3) He can view the property details. * (F-4) He can give a give review score to the property. * (F-5) He can update his review score of the property. * (F-6) He can add the property to favorite list. * (F-7) He can book for a property of his choosing. * (F-8) The calculated review score of the property will be shown once loaded. |
| (M-4) Profile Module | * (F-1) A user can view his profile. * (F-2) He can modify his profile details. * (F-3) He can change his password. * (F-4) He can deactivate his account. |
| (M-5) Booking Module | * (F-1) Once a booking is made, a user can view his current booking. * (F-2) He can change the tour. * (F-3) He can change the property. * (F-4) He can change the agent. * (F-5) He can change the payment method. * (F-6) He can cancel the booking. |
| (M-6) Search Module | * (F-1) A user can search for any property. * (F-2) He can view the property details. * (F-3) He can view customer |
| (M-7) History Module | * (F-1) A user can view his purchase history. * (F-2) A user can view his previous service history |
| (M-8) Registration Module | * (F-1) A user can register a new account. * (F-2) A user can register another new account |
| (M-9) Customer Module | * (F-1) A user can view any customer profile. * (F-2) He can give a give review score to the customer. * (F-3) He can update his review score of the customer. * (F-4) He can select a customer booking request when finalizing his job. |
| (M-10) Request Module | * (F-1) User can hanle whether to accept or reject any request. |
| (M-11) Offer Module | * (F-1) User can add Hotels offer * (F-2) User can edit Hotels offer |

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| **Modules** | **Features** |
| (P-1) Login Module | * (F-1) A registered host can input username and password to login into the system. * (F-2) Login verification done for the host. |
| (P-2) Registration Module | * (F-3) A host can register a new account. * (F-4) Registration form inputs are verified before inserting into the database. |
| (P-3) Home Module | * (F-5) Show an advertisement of registered property on common homepage. * (F-6) Show 3 random chosen reviews of property and host by users on common homepage. |
| (P-4) Check Bookings Module | * (F-7) Host can check bookings details of his property listing booked by users. * (F-8) Host can accept the booking. * (F-9) Host can decline the booking. * (F-10) Host can send invoice for the particular booking. * (F-11) Upon sending invoice, detailed invoice will be sent to user’s message inbox. |
| (P-5) Message Module | * (F-12) Host can send new message to user. * (F-13) Upon sending, host can see all the messages sent to users by him. * (F-14) Host can see all the received messages sent by users. * (F-15) Host can send new message to agent. * (F-16) Upon sending, host can see all the messages sent to agents by him. * (F-17) Host can see all the received messages sent by agents. |
| (P-6) Property Listing Module | * (F-18) Host can see all the property listings with all available information in one place. * (F-19) Host can promote a property as ad. |
| (P-7) Property Manage Module | * (F-20) Host can add new property. * (F-21) All inputs in add property form is validated. * (F-22) Host can modify a property. * (F-23) Host can delete a property. * (F-24) If there is no property image added while registering, default placeholder property image is added. |
| (P-8) Reviews Module | * (F-25) Host can check all the reviews given by users for all the properties listed under his account. * (F-26) Host can give reply to user review. |
| (P-9) Statistics Module | * (F-27) Host can check different statistical information under his account activity. |
| (P-10) Logout Module | * (F-28) Host can logout from the system and keep account secured through sessions. * (F-29) To enhance host account security, every session is valid for 2 hours after login. * (F-30) For security purpose, after logout the menus of navigation bar is reduced to only login and register for non registered visitors. |

**Role Privileges:**

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| **Roles** | Customer | Host | Agent |
| **Role-wise Features** | * M-1,F-1 * M-2,F-1 * M-2,F-2 * M-2,F-3 * M-2,F-4 * M-2,F-5 * M-2,F-6 * M-3,F-1 * M-3,F-2 * M-3,F-3 * M-3,F-4 * M-3,F-5 * M-3,F-6 * M-3,F-7 * M-3,F-8 * M-4,F-1 * M-4,F-2 * M-4,F-3 * M-4,F-4 * M-5,F-1 * M-5,F-2 * M-5,F-3 * M-5,F-4 * M-5,F-5 * M-5,F-6 * M-6,F-1 * M-6,F-2 * M-7,F-1 * M-8,F-1 * M-8,F-2 | * P-1,F-1 * P-1,F-2 * P-2,F-3 * P-2,F-4 * P-3,F-5 * P-3,F-6 * P-4,F-7 * P-4,F-8 * P-4,F-9 * P-4,F-10 * P-4,F-11 * P-5,F-12 * P-5,F-13 * P-5,F-14 * P-5,F-15 * P-5,F-16 * P-5,F-17 * P-6,F-18 * P-6,F-19 * P-7,F-20 * P-7,F-21 * P-7,F-22 * P-7,F-23 * P-7,F-24 * P-8,F-25 * P-8,F-26 * P-9,F-27 * P-10,F-28 * P-10,F-29 * P-10,F-30 | * M-1, F-1 * M-3, F-1 * M-3, F-2 * M-3, F-3 * M-3, F-4 * M-3, F-5 * M-4, F-1 * M-4, F-2 * M-4, F-3 * M-4, F-4 * M-6, F-3 * M-7, F-2 * M-8, F-2 * M-9, F-1 * M-9, F-2 * M-9, F-3 * M-9, F-4 * M-10, F-1 * M-11, F-1 * M-11, F-2 * P-9, F-27 * P-10, F-28 * P-10, F-29 * P-10, F-30 |