**­A2 Test plan**

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| --- | --- | --- | --- | --- |
| Name | Test Details | Expected Outcomes | RAG | Comments |
| Compile/Start program | Program should be usable | Program compiles and is usable |  | A1 |
| Creating/Loading family | Family should load from a file | Family loads from a file |  | A2 |
|  | Loading a non-existent family should be handled | User is prompted to choose a correct option |  | A3 |
|  | Creating a family | User should be able to create a family on to which users can be added. The activities are added AFTER the family has been created. |  | A4 |
|  | Loading an existing family with details | Users can save a family for later use. All the details should be preserved |  | A5 |
| Location selection | Add locations and activities | Users should be able to select a location and add activities for each user |  | A6 |
|  | Minimum travellers restriction | Users should not be able to select a location if they do not have enough users |  | A7 |
|  | Minimum age restrictions | There should be at least 1 adult present in order to travel. |  | A8 |
| Checkout | Final chance to edit | A report with all the details should be present excluding VAT which is calculated at the next step |  | A9 |
|  | Book the trip | Calculate the final price including VAT and potential discounts |  | A10 |
| Preview activities and locations |  | Users should be able to preview activities and locations before selecting them |  | A11 |
| Admin | First time login | If logging using the default password admin should be prompted to change it |  | A12 |
|  | Add Location | Admin should be able to add a new location |  | A13 |
|  | Remove Location | Admin should be able to add remove a location |  | A14 |
|  | Add Activity | Admin should be able to add a new activity |  | A15 |
|  | Remove Activity | Admin should be able to add a remove an activity |  | A16 |
|  | Edit Activity | Admin should be able to edit an activity |  | A17 |
|  | Edit Location | Admin should be able to edit a location |  | A18 |
|  | Misc. settings | Currently admin should be able to change the VAT and discount % |  | A19 |
| Input | String input | Should validate user input correctly (yes/no) |  | A21 |

**Appendix 1: Testing Evidence**

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| A1 |  |
| A2 |  |
| A3 |  |
| A4 |  |
| A5 |  |
| A6 |  |
| A7 | Current family has 2 users.  They family can be edited to add more users or choose another location |
| A8 | User cannot choose a location if an adult is not present.  In this case the family won’t be saved either. |
| A9 | Pay with card doesn’t do anything and just closes the program |
| A10 | Discounts are applied when at least 2 adults and children are present |
| A11 |  |
| A12 | The password is saved and will be the new one from now on |
| A13 | Duplicate activities cannot be added to the location. |
| A14 | NOTE: If a user has selected location it will remain |
| A15 |  |
| A16 |  |
| A17 |  |
| A18 | Note the different activity name which we changed in A17 |
| A19 | The value is stored as 1.2, 0.9 etc. But it is displayed to the user as a % |
| A20 | Every variation of yes and no is accepted for user convenience. Everything else fails |
| A21 |  |
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