Assignment 2: Software Requirements Specification

Team: 5

Project Title: WSU Foodies

## Members:

1. Abdul
2. Nathan
3. Christopher
4. Nicholas

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| **Meetings date** | **Participants** |
| 10/3/2021 | Everyone |
| 10/24/2021 | Everyone |
| 12/01/2021 | Everyone |

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| **Stakeholders** | **Requirements** |
| Users | FR1: Authenticate user login  FR2: Display businesses/restaurants  FR3: Display food spot ratings  FR4: Display user reviews  FR5: Allow user to review all spots on the app  FR6: Allow user to filter spots by stars  FR7: Allow user to filter spots by most reviews  FR8: Allow user to post about unknown spots  FR9: Allow users to search businesses by name  FR10: Allow users to modify past star ratings under businesses  FR11: Allow users to modify past text reviews under businesses  FR12: User Registration |
| Actual server | FR13: Record ratings  FR14: Record user reviews  FR15: Hold user info  FR16: Hold business info |
| All | NR1: Performance  NR2: Email/user validation  NR3: Protect User Data  NR4: Business Address Validation  NR5: Review Moderation |

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| **FR1. Authenticate User Login** | | |
| Goal: Check is user is registered within the app | | |
| Stakeholders: Users | | |
| When a user enters the login page, they are asked for their username and password. If it’s in the database and correct, they can access the app. If not, they will remain on the login page. User will receive a toast message stating that there’s invalid login credentials. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 10/3/2021 | Priority: 1 |

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| **FR2. Display businesses/restaurants** | | |
| Goal: The app will display users every business/restaurant within the database | | |
| Stakeholders: All | | |
| After a user logs into the app, they will be launched to the home page. The home page will display the user every business within the app. The user will be able to scroll down and see every business or choose to filter/search within this same page. Users will also have the option to leave a review or rating for each of these businesses. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 10/3/2021 | Priority: 1 |

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| **FR3. Display food spot ratings** | | |
| Goal: App will show ratings near all food locations | | |
| Stakeholders: Users | | |
| Users within the app should be able to see a rating near all food locations. Rating will range from a 0-5 and will be the average of the ratings from all users for that certain location. New/unrated locations will display a 0 for their rating. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 10/3/2021 | Priority: 1 |

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| **FR4. Display User Reviews** | | |
| Goal: Users can see reviews under locations within the app | | |
| Stakeholders: Users | | |
| Users will be able to leave a text review under specific places of their choosing to either praise or critique the location. App will filter out curse words and etc. and display these reviews to users | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 10/3/2021 | Priority: 1 |

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| **FR5: Allow user to review all spots on the app** | | |
| Goal: The system will allow users to review any locations on the app | | |
| Stakeholders: Users | | |
| When a user enters the app, they’ll see different food locations on the home page. Users can leave a text review under each location to better detail their experience at the venue. | | |
| Origin: Based on initial project specification document, team members came up with this description during the second meeting. | | |
| Version: 2.0 | Date: 10/24/2021 | Priority: 1 |

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| **FR6: Allow user to filter spots by stars** | | |
| Goal: The user can filter their feed based on star ratings | | |
| Stakeholders: Users | | |
| When a user enters the application, they’ll land on the home page with every location on the app. Users can decide if they’d like to filter the businesses by most amount of stars at the top, going to least amount of stars at the bottom of the page. | | |
| Origin: Based on initial project specification document, team members came up with this description during the second meeting. | | |
| Version: 2.0 | Date: 10/24/2021 | Priority: 1 |

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| **FR7. Allow users filter spots by most reviews** | | |
| Goal: The app will allow users to search for a business in the search bar based on how many reviews it has received. | | |
| Stakeholders: Users | | |
| Users can search for locations based on how many reviews it has that have been posted by other customers. The user can then read those reviews and based on what they see, determine if that restaurant is a good choice for them. | | |
| Origin: Based on initial project specification document, team members came up with this description during the third meeting. | | |
| Version: 3.0 | Date: 12/1/2021 | Priority: 1 |

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| **FR8. Allow User to Post About Unknown Spots** | | |
| Goal: The app will allow users to post new businesses that haven’t been submitted yet | | |
| Stakeholders: Users | | |
| Users can post a new business to the app if they find one that isn’t already listed. A new business posting requires the name and location of the restaurant, but other fields can be left ambiguous so the user can fill in as much information as they have at the time. | | |
| Origin: Based on initial project specification document, team members came up with this description during the second meeting. | | |
| Version: 2.0 | Date: 10/24/2021 | Priority: 1 |

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| **FR9. Allow users to search businesses by name** | | |
| Goal: The app will allow users to search for a business name in the search bar by its name. | | |
| Stakeholders: Users | | |
| Users can use the search bar in order to find specific restaurants they may have heard of by its name. Once a user types in a name, any restaurants with the key words the user searched for will appear for the user to look at. | | |
| Origin: Based on initial project specification document, team members came up with this description during the third meeting. | | |
| Version: 3.0 | Date: 12/1/2021 | Priority: 1 |

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| **FR10. Allow users to modify past star ratings under businesses** | | |
| Goal: The system should allow a confirmed user to change previous star-rating of the business | | |
| Stakeholders: Customers | | |
| Users will be able to modify any past star ratings that they already placed under a business. This involves changing the average rating for that business as well. The new rating will be stored inside the database. | | |
| Origin: During third meeting, it was brought up in a team meeting that this was an important functionality. | | |
| Version: 3.0 | Date: 12/1/21 | Priority: 2 |

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| **FR11: Allow users to modify past text reviews under businesses** | | |
| Goal: The user will be able to modify any reviews | | |
| Stakeholders: User | | |
| Users will be able to modify any past reviews that they already placed under a business. This involves changing anything that they have said. The new information will be stored inside the database. | | |
| Origin: Based on initial project specification document, team members came up with this description during the third meeting. | | |
| Version: 3.0 | Date: 12/1/2021 | Priority: 1 |

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| **FR12: User Registration** | | |
| Goal: The app will register new users | | |
| Stakeholders: All | | |
| When an unregistered user wants to access the app, they should be allowed to register with WSU Foodies by giving some of their personal information in exchange for a valid WSUFoodies account. From there they will be able to login and have access to every functionality within the app. The app will not allow users to register different accounts with the same email. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 10/3/2021 | Priority: 1 |

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| **FR13. Record Ratings** | | |
| Goal: The app will record ratings submitted by users for each business | | |
| Stakeholders: Users | | |
| The app will accept ratings from users for each business. A user can submit one rating per business; any subsequent ratings will replace the previous one. Ratings are on a simple numerical scale for quality (“stars”). | | |
| Origin: Based on initial project specification document, team members came up with this description during the second meeting. | | |
| Version: 2.0 | Date: 10/24/2021 | Priority: 1 |

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| **FR14. Record user reviews** | | |
| Goal: The server will take all user reviews and record them in the database. | | |
| Stakeholders: Server | | |
| When a user enters a review, the server will take that information and store it in the database. This process will repeat whenever a new review is entered by the user. | | |
| Origin: Based on initial project specification document, team members came up with this description during the second meeting. | | |
| Version: 2.0 | Date: 10/24/2021 | Priority: 1 |

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| **FR15. Hold user information** | | |
| Goal: The server stores user information in the database. | | |
| Stakeholders: Server | | |
| When a user enters their information, the server will store that information into the database for later use. The server will use this information for login and security purposes. | | |
| Origin: Based on initial project specification document, team members came up with this description during the second meeting. | | |
| Version: 2.0 | Date: 10/24/2021 | Priority: 1 |

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| **FR16. Hold business info.** | | |
| Goal: The system will store information about the eating establishments | | |
| Stakeholders: Customers | | |
| The system will store in a database the information a customer will want to know about the restaurants, including address, type of food, ratings, hours, phone number. This information will be used to filter customer searches and to populate a separate page about the restaurant if the customer “clicks” on it. | | |
| Origin: Based on initial project specification document, team members came up with this description during the second meeting. | | |
| Version: 2.0 | Date: 10/24/2021 | Priority: 1 |

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| **NR1. Performance** | | |
| Goal: The system should function well on an Android device | | |
| Stakeholders: Customers | | |
| The app should function well given the limited memory available on an Android device. The screens should be easily readable given the normal size of such devices. | | |
| Origin: Based on initial project specification document, team members came up with this description during the second meeting. | | |
| Version: 2.0 | Date: 10/24/2021 | Priority: 2 |

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| **NR2: Email/user validation** | | |
| Goal: The app will validate email/user registrations inside the app | | |
| Stakeholders: All | | |
| This app is catered towards the population of WSU. As a result, only WSU-affiliated people can access the app and should only be able to register within the app with emails that have the domain “*@wayne.edu* | | |
| Origin: Based on initial project specification document, team members came up with this description during the second meeting. | | |
| Version: 2.0 | Date: 10/24/2021 | Priority: 1 |

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| **NR3. Protect User Data** | | |
| Goal: The app will collect only the data required to perform its function and limit the public display of user information. | | |
| Stakeholders: All | | |
| The system will limit its collection of user information to what is immediately required to function as a gated review platform. Identifying user information will not be made public except usernames on written reviews. | | |
| Origin: Based on initial project specification document, team members came up with this description during the second meeting. | | |
| Version: 2.0 | Date: 10/24/2021 | Priority: 1 |

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| **NR4. Business Address Validation** | | |
| Goal: Make sure users can find businesses based on real addresses | | |
| Stakeholders: Users | | |
| Business addresses provided by users will be validated to ensure they are real and accurate. Users must be able to find the businesses based on official addresses; “down the street and to the right”, “next to the mural”, etc. are not valid addresses. Businesses without an address cannot be saved to the database. | | |
| Origin: Based on initial project specification document, team members came up with this description during the third meeting. | | |
| Version: 3.0 | Date: 12/1/2021 | Priority: 1 |

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| **NR5. Review Moderation** | | |
| Goal: Keep the review boards “family friendly” | | |
| Stakeholders: Users | | |
| The reviews left by users will be moderated to prevent hate speech, harassment, and other unwanted behavior. Offending users can be restricted from posting detailed reviews or removed from the service completely. | | |
| Origin: Based on initial project specification document, team members came up with this description during the third meeting. | | |
| Version: 3.0 | Date: 12/1/2021 | Priority: 1 |