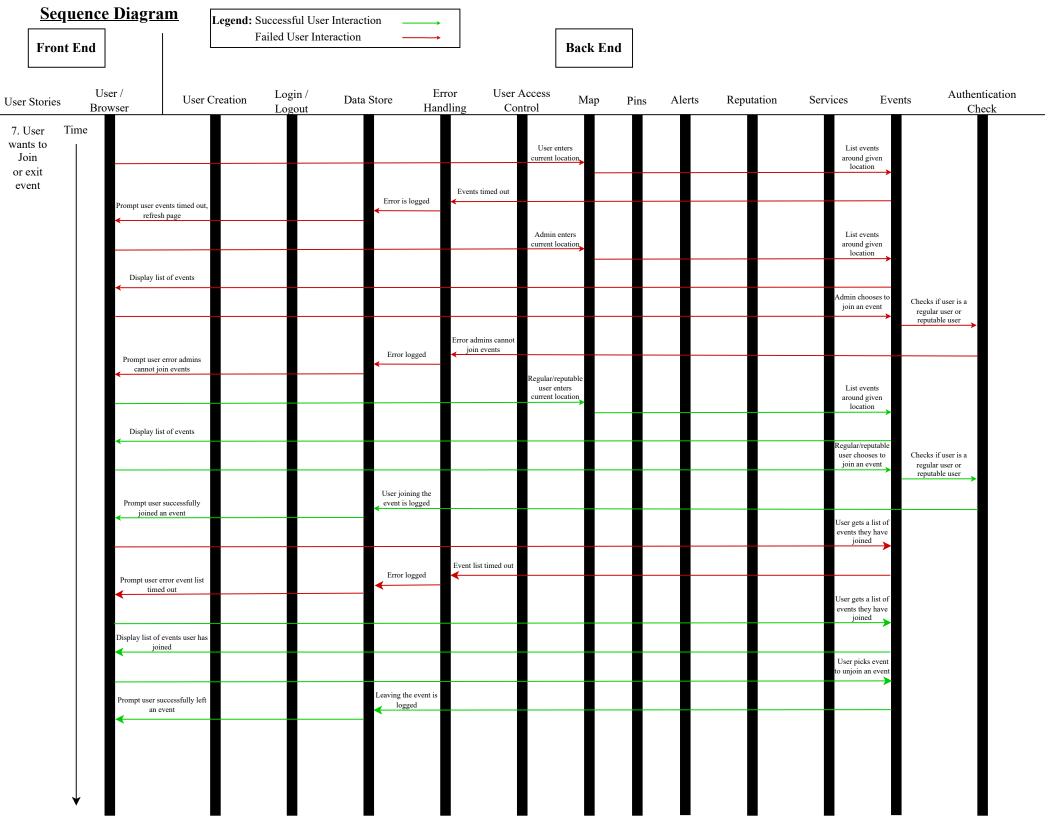
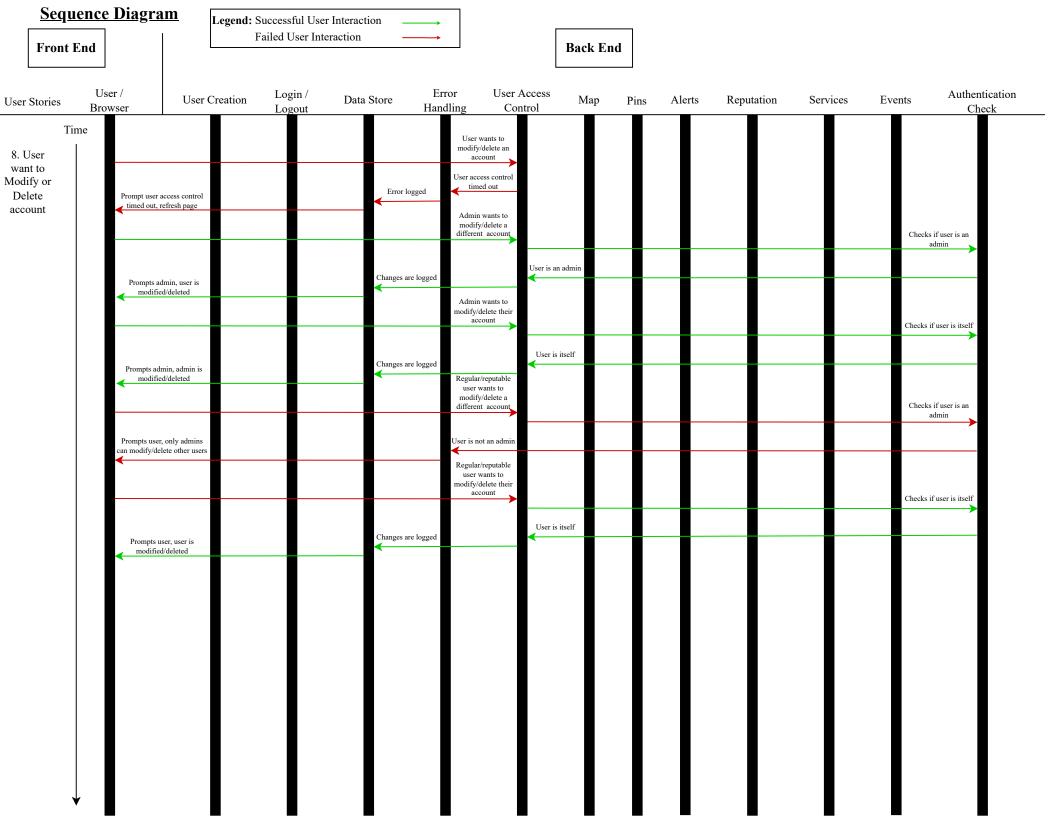
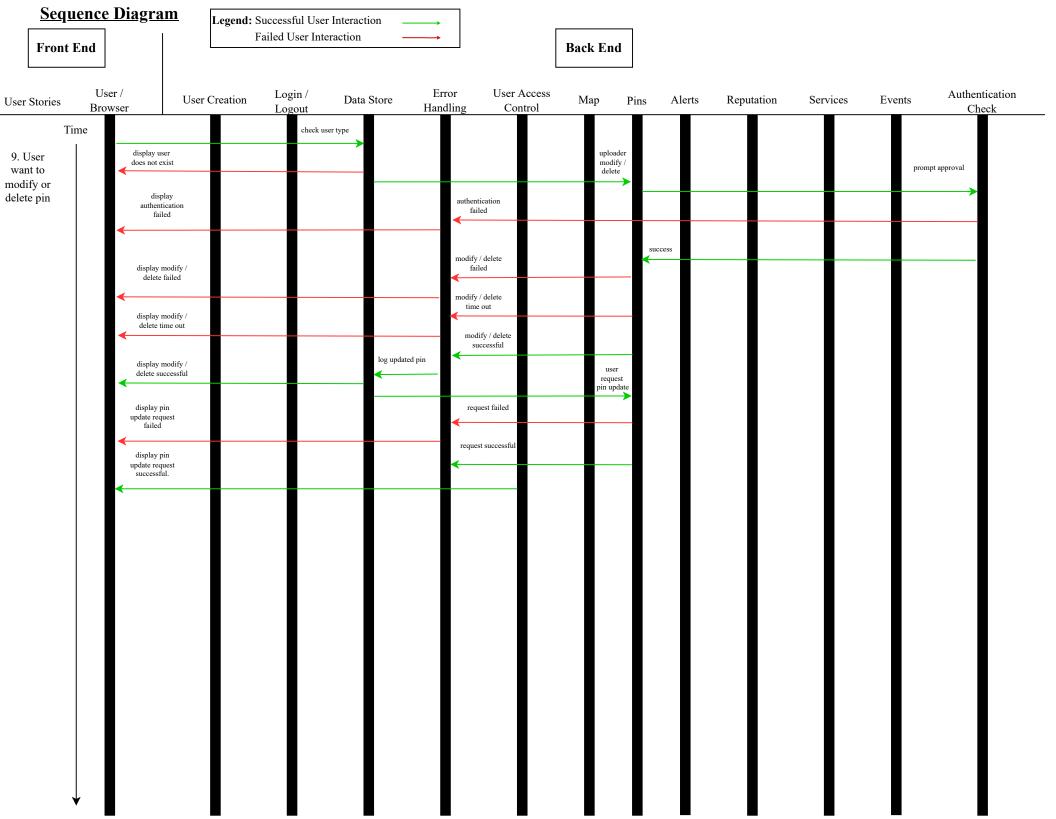


Sequence Diagram Legend: Successful User Interaction Front End **Back End** Failed User Interaction Authentication Login / Error User Access **User Creation** Data Store Map Pins Alerts Reputation Services Events Handling Logout Control Check User Stories User / Browser Time check user type 6. User want to create or display user modify event does not user create event user is type regular display reputable prompt user user required approval authentication log authentication failed fail display failed authentication display authentication log authentication successful success successful drop create event pin user input invalid no title and display Title and description description required user input valid valid title and description display successful log event create event and details modify or delete event prompt user approval modify or delete display modify / failed error log delete fialed modify / delete log modification display modify / delete successful







Sequence Diagram Legend: Successful User Interaction Front End **Back End** Failed User Interaction Authentication Login / Error User Access User Creation Data Store Map Pins Alerts Reputation Services **Events** Handling Logout Control Check User Stories User / Browser Time check user type 10. User display user wants does not list of exist services check for active pin in does not exist display no active pin pin exist load pin display pin list services list service failed or timeout display service failed to load list service success load services display list of services

Sequence Diagram Legend: Successful User Interaction Front End **Back End** Failed User Interaction Login / Error User Access Authentication **User Creation** Data Store Map Pins Alerts Reputation Services Events Handling Logout Control Check User Stories User / Browser Time check user type 11. User display user creates or does not modify exist services check for active pin pin does not exist display no active pin pin exist load pin display pin add service add service failed or timeout display service failed to add service display requirements company, phone number, description required service exist display service already exist add service display service successfully log service added service modify / delete failed or time out display modify delete failed service update / delete successful log update display modify/ delete successful

Sequence Diagram Legend: Successful User Interaction Front End **Back End** Failed User Interaction Login / Authentication Error User Access **User Creation** Data Store Map Pins Alerts Reputation Services Events Handling Control Check Logout User Stories User / Browser Time check user type 12. User display user wants alerts does not exist ser opt in alerts alert failed / timeout display alert setting failed opt in alert success display opt in drop alerts active pins by zip code display invalid invalid zip code zip code zip code valid display alerts active in zip code pt in by pin type display pin type alert timed out pin type alert time out opt in pin type display alert alert success active by pin type display list of notifications list notification display list failed notification failed to load list notification success display list of notifications

Sequence Diagram Legend: Successful User Interaction Front End **Back End** Failed User Interaction Authentication Login / Error User Access User Creation Data Store Map Pins Alerts Reputation Services Events Handling Check User Stories User / Browser Logout Control 13. user Time want to check user type gain / lose reputation display user does not exist user reports pin uploader display report failed. cannot user reporting report own them self account report service failed or timeout display report failed / time out pin uploader receives positive report log report display report and and gain update reputation pin uploader receives negative report log report and gain display report and update reputation

