## UML Diagrams

### UML Use Case Diagram

Diagram

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### UML Activity Diagrams

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### UML Sequence Diagram

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### UML Class Diagram

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## Technical Requirements

* System should run efficiently on all major web browsers including Chrome, Firefox, Microsoft Edge, and mobile browsers for ease of access and convenience
* On site back up database is advised in the event of loss of internet connection to ensure staff will still have access to company files, permitting them to continue to conduct business over the phone
* System will need an operating system. In my experience, Linux is recommended. Aside from being one of the most widely used operating systems, Linux is highly regarded for its ease of use once learned, its affordability, its multitude of security features, and its compatibility with a wide range of different hardware. (*Why use Linux? Here are the reasons why you should* 2022)
* Client has noted a desire to pursue use of a cloud-based service to handle security and data storage. My professional recommendation is the use of Amazon S3 for this service given its affordability ($3.00 for 50 terabytes per month and only $0.025 per gigabyte after that), on demand scalability, renowned customer service, and top-tier level of security. (*Amazon S3* 2002)
* Microsoft Office should be used for its coverage of all office related needs of a modern business, allowing use of Outlook for email, Excel for needed spreadsheets for scheduling, payroll etc., and PowerPoint for presentations to potential customers and investors.
* Interface should be highly responsive and possess high readability, including text-to-audio options for hearing impaired customers.
* Office should hold 5 PCs, one for the secretary, one for the IT admin, one for the CEO, and two for driver use when on site, complete with mice and keyboards in good, working condition. More may be purchased with the expansion of business. If this option is not financially feasible, another would be the purchase of company phones for drivers to ensure secure access to the employee side of the server, borrowed and returned at the start and end of shifts, respectively.

**References**

Unknown. (2002). Amazon S3. Retrieved February 21, 2022, from https://aws.amazon.com/s3/

Unknown. (n.d.). *Why use Linux? Here are the reasons why you should*. It's FOSS. Retrieved February 21, 2022, from https://itsfoss.com/why-use-linux/