## Capstone: Feasibility Analysis

Information Systems Development and Design and Capstone Course (IS-5303)

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**Description of Project:**

Serve on Door is the first e-commerce company in Kosciusko County which will provide a common online platform for all the local vendors and sellers to advertise and sell their products. The e-commerce site will also help all the customers to see different options of the service provider and request for the services as required. The current scope of the project is limited to services including airport transportation, various house repairs, lawn maintenance, and online grocery shopping.

**Operational Feasibility:**

The SOD is a family owned and family operated organization. All the operations in the e-commerce business will be handled by my family. The services are directly provided by the local vendors/ sellers. There is a direct interaction between the consumer and the seller which makes it a self-organized in nature.

SOD will be responsible for providing an easy platform for sellers to sell their service, and users to request for their service. The project will be managed by the SOD team, where all the assets are cloud-based and needs no physical interactions to fix or upgrade the service. AWS also provides 24x7 supports to all the customers for any issues with the e-commerce website. In case of any issues with the service, the users can directly connect with the vendors or sellers.

**Economic Feasibility:**

The project implementation and maintenance is very cost-effective and economically feasible. The duration of the project implementation is 16 weeks, which is enough to deploy it over the cloud.

The cost of the product implementation is very low, as all the AWS services are paid based on the usage with no contracts. In case the traffic to the website is low, SOD will pay less, and it cost can go up or down based on the traffic on the site. Although the SOD e-commerce site is new, there is no cost required for physical entities like the warehouse, working stations, inventories, or network appliances. All configurations are available on AWS with pay-per-use basis. The cost is from https://calculator.s3.amazonaws.com/index.html service.

**Technical Feasibility:**

The project is highly feasible technically. The pre-requirements for the development of the e-commerce website are very minimal. The scope of the project is limited which adds more benefits to the technical feasibility.

The e-commerce website will need a domain name and website www.serveondoor.com which is currently available to purchase. The entire development will be done on AWS DevOps service. With using AWS as the platform, there is no overhead of physical hardware, software, or network infrastructure. The services will be developed in the cloud and will be maintained online.

**Schedule Feasibility:**

The project is given 16 weeks of time, which is highly feasible to achieve. The architecture and the cloud-based platform reduce the time to gather infrastructure, servers, database, and services to a minimum. The development will require less time as there are many templates we can use. We have strategized the project to be time-effective. The team has already thought about the architecture and a prototype for the project. The e-commerce domain and the website can be purchased immediately from goDaddy.com. And we already have the AWS account set up and ready for use. All these reasons guarantee the schedule feasibility of the project to 100 percent.