

Q1

The use of cloud computing is a relatively new concept which describes the delivery of computing services via cloud based servers. As technology has progressed, cloud computing has become more accessible to smaller businesses looking for affordable and flexible ways to operate their businesses. Cloud computing offers a wide range of different utilities which can help a business to run smoothly in its day to day operations.

Reduced costs:

An opportunity that cloud computing brings to the table is the reduced costs that a business needs to invest in order to have their business run. Businesses have to invest large amounts of capital into hardware, software and maintenance which are necessary to keep the business functional. This is not the case with cloud computing as the hardware, software and maintenance being used is rented from the cloud computing service provider and as such is much cheaper than investing in brand new on-site equipment.

Scalability:

Not only is cloud computing more affordable but it is also very flexible. When building servers and data centers on-site, there is not much room to scale things up or down. On the other hand, cloud computing is rented from a provider who can give more or less resources to a business depending on how much they are using. This is very helpful because the business only needs to pay for the hardware and storage that is needed, nothing more, nothing less. If a business feels that they need more resources, all that is needed is for them to pay for more. No physical installation or upgrade is needed.

SaaS or Software as a service, is the most common among the services offered in the cloud market. It refers to software which is provided over the internet as a subscription service and is used by businesses to perform specific tasks. These services are managed by the third-party vendor for the ease of use by its users. There are many different software services that businesses can use, each with their own benefits.

-Google Workspace

Workspace is a set of productivity and collaboration tools to help business members work, share and communicate in the workplace. It is a benefit to the company as it eases workflow through streamlined design and ease of use.

-Amazon Web Services

Amazon Web Services is a cloud service platform which offers computing power, data storage and other such utilities to businesses in order to help them to scale and grow. AWS also offers high end encryption to secure all work done on the cloud, making it a perfect tool for businesses working with sensitive data.

-Salesforce

Salesforce is a customer relationship software which helps businesses to better communicate, interact and receive feedback from their customer base. This helps with marketing, sales and customer service to ensure that customers have a pleasant experience when interacting with the company.

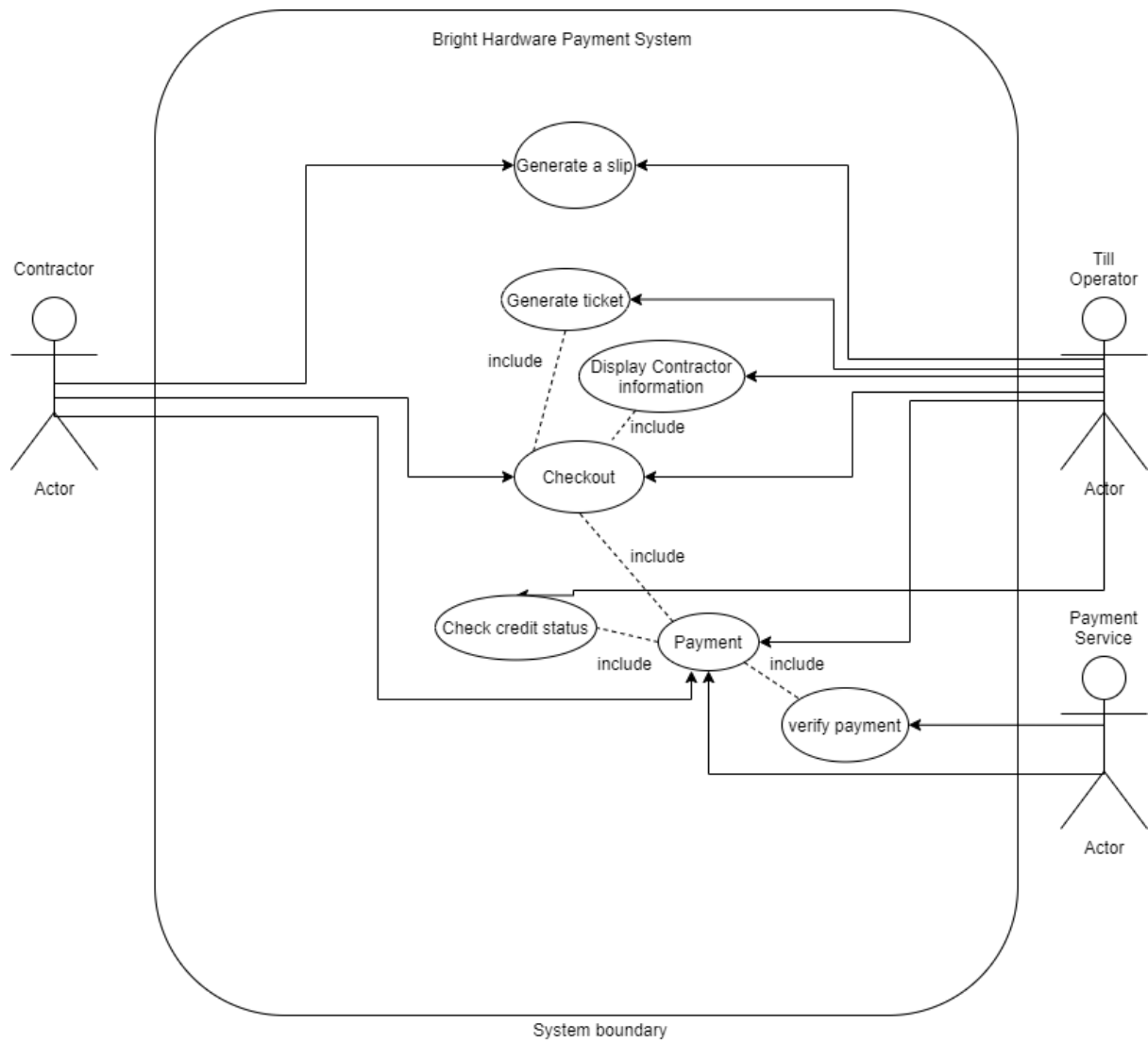
-Dropbox

Dropbox is a hosting service for files. It allows for storage of files as well as ease of access when moving and sharing files within the work environment. Saved files automatically get synced to all devices that are logged in as that specific user, allowing for ease of access anywhere, on any device.

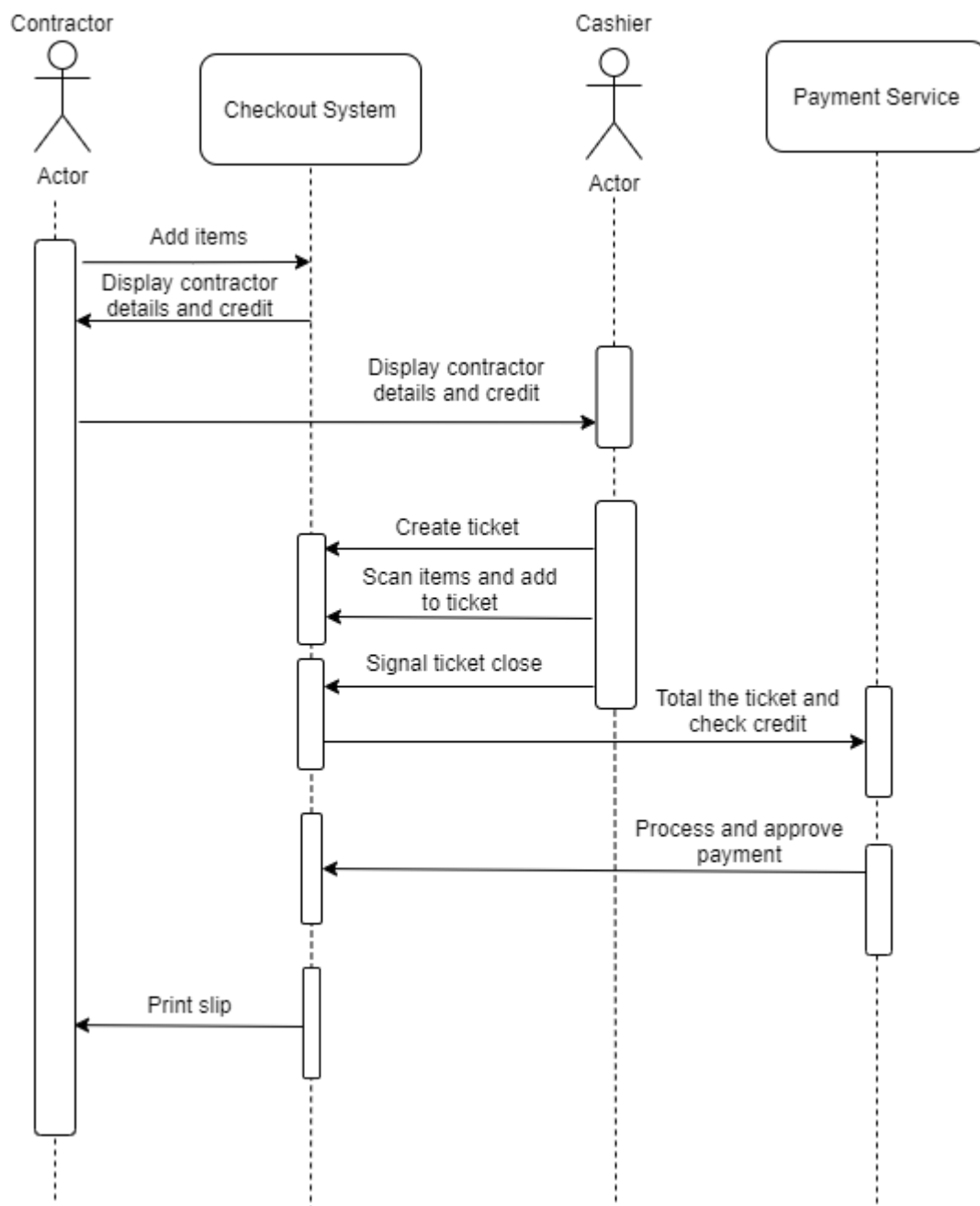
-GoToMeeting

GoToMeeting is an online meeting platform hosted in the cloud. It allows businesses to create meetings, add members and interact without having to physically be in the same room. It offers text, audio and video based communication as well as the ability to attach and send files which may be important in the context of the work being done. It is also able to send email notifications to team members, reminding them of upcoming meetings, making the hassle of scheduling much reduced.

Q2

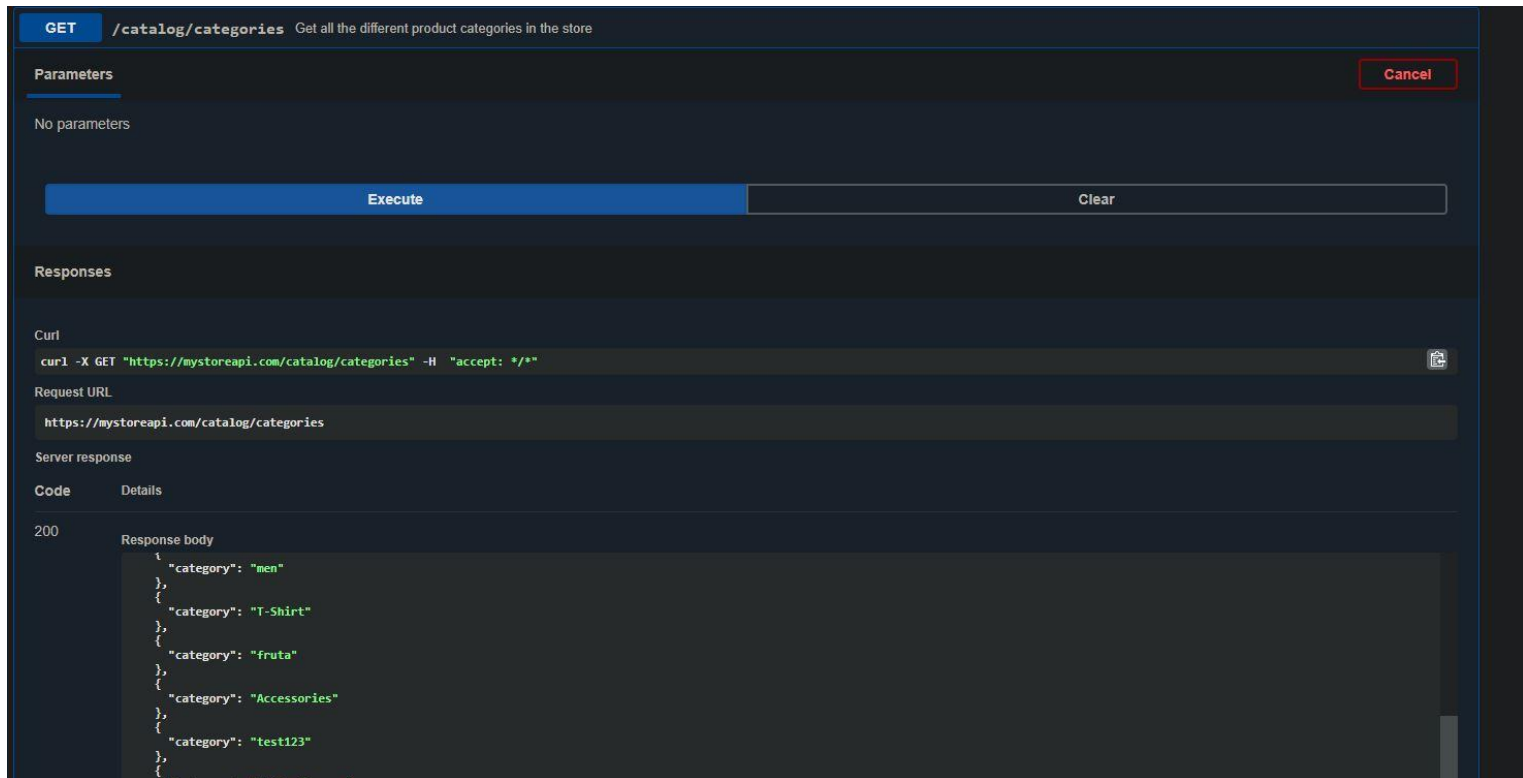


Q3



Q4

RESTful API, standing for representational state transfer application programming interface, is an API which applies the REST rules and architectural style. REST is an architectural pattern for creating web services and the REST constraints dictate how a system should behave. An API is a set of protocols which are used to build and integrate application software.



References:

2021. [online] Available at:
<<https://telanganatoday.com/cloud-computing-opportunities-and-concerns>> [Accessed 25 June 2021].

Computing, T., 2021. The Opportunities of Cloud Computing :: UXmatters. [online] UXmatters.com. Available at:
<<https://www.uxmatters.com/mt/archives/2018/02/the-opportunities-of-cloud-computing.php>> [Accessed 25 June 2021].

BMC Blogs. 2021. SaaS vs PaaS vs IaaS: What's The Difference & How To Choose. [online] Available at:
<<https://www.bmc.com/blogs/saas-vs-paas-vs-iaas-whats-the-difference-and-how-to-choose/>> [Accessed 25 June 2021].

En.wikipedia.org. 2021. Google Workspace - Wikipedia. [online] Available at:
<https://en.wikipedia.org/wiki/Google_Workspace> [Accessed 25 June 2021].

Medium. 2021. What is AWS and What can you do with it. [online] Available at:
<<https://blog.usejournal.com/what-is-aws-and-what-can-you-do-with-it-395b585b03c>> [Accessed 25 June 2021].

Salesforce.com. 2021. What is Salesforce?. [online] Available at:
<<https://www.salesforce.com/in/products/what-is-salesforce/>> [Accessed 25 June 2021].

Business Insider. 2021. 'What is Dropbox?': How to use the cloud-based file-storage service for collaboration. [online] Available at:
<<https://www.businessinsider.com/what-is-dropbox?IR=T>> [Accessed 25 June 2021].

Gotomeeting.com. 2021. The Quick Guide for GoToMeeting Attendees | GoToMeeting. [online] Available at:
<<https://www.gotomeeting.com/en-gb/meeting/resources/gotomeeting-quick-and-helpful-guide-for-attendees>> [Accessed 25 June 2021].

Retz, J., 2021. What is API Testing? How to Test API Endpoints (API Testing Tutorial). [online] The Last Call - RapidAPI Blog. Available at:
<<https://rapidapi.com/blog/api-testing/#what-is-api-testing>> [Accessed 25 June 2021].

2021. [online] Available at:
<<https://www.redhat.com/en/topics/api/what-is-a-rest-api#:~:text=A%20REST%20API%20>> [Accessed 25 June 2021].

ReqBin. 2021. Online API Testing Tool | Test Your API Online. [online] Available at:
<<https://reqbin.com/>> [Accessed 25 June 2021].

Mystoreapi.com. 2021. Swagger UI. [online] Available at:
<<https://mystoreapi.com/#/Catalog/Get%20Categories>> [Accessed 25 June 2021].

RapidAPI. 2021. Get Started with RapidAPI Testing. [online] Available at:
<<https://docs.rapidapi.com/docs/creating-test-flows>> [Accessed 25 June 2021].