“ Someone has rightly said that it’s not the strongest or the most intelligent will survive but the one who can best manage the change.”

Hi I am here to deliver our group presentation of Retrospective task , we are all members of Group 5 and were assigned Project A which was about CHECKYOURCAR a start up company providing a website where car owners can seek info about their cars and check for any potential recalls and safety hazards.

Firstly we were allotted in groups and were assigned the project by our tutor and now in order to kick start our things we created a chat group in MS Teams and then we introduced ourselves to each other . we understood what the project was all about and tried to break it into smaller parts . as this project is based on agile scrum methodologies which comprise of sprints our primary objective was to breakdown our project into 2 sprints.

So as the word suggest Agile scrum methodology is a project management system that relies on incremental development. Each iteration consists of two- to four-week sprints, where each sprint's goal is to build the most important features first and come out with a potentially deliverable product. More features are built into the product in subsequent sprints and are adjusted based on stakeholder and customer feedback between sprints.

The best part about Agile Scrum methodology is that Where other project management methods emphasize building an entire product in one iteration from start to finish, the agile scrum methodology focuses on delivering several iterations of a product to provide stakeholders with the highest business value in the least amount of time.

What more Agile scrum methodology has several benefits. it encourages products to be built faster, since each set of goals must be completed within each sprint's time frame. It also requires frequent planning and goal setting, which helps the scrum team focus on the current sprint's objectives and increase productivity.

So after building the team and understanding the project it was now time to create a communication platform to assign tasks and exchange work and ideas , hence for this we developed a Trello board . as we all know Trello is an effective tool massively used to manage tasks and team member task allocation purely based on Agile environment . we set up our Trello boards and now it was time to fill it with content and assign the tasks.

User stories are the primary artefact in Agile project management to capture user requirements. User stories provide a way to describe features of the system to be built from a user’s (and customer’s) point of view. For example: As a user of the online shopping website, I need credit card payment functionality, so that I can pay for my shopping online. It can be large or small depending on the size the feature it relates to. Large user stories are generally broken down to smaller user stories.

A key component of agile environment is putting people first, and user-stories put actual end users at the centre of the conversation. Stories use non-technical language to provide context for the development team and their efforts. After reading a user story, the team knows why they are building what they're building and what value it creates.  They help provide a user-focused framework for daily work — which drives collaboration, creativity, and a better product overall.

Basically the project given to us was about a start up company aiming to enable car owners to check issues and problems associated with their cars online . not only this they can also get to know further details like make and built of the car and receive notification of any potential recalls like infamous Takata airbag recall. This company has a database that contains information of the customers , all data about cars in the market and also any kind of risk or recall associated . Moreover the website of company should be of high functionality starting right from a web registration form for users till sending an automatic notification to car owners for recall.

From the project description, we extracted the tasks that have to be done to complete this project. Then as a group on MS teams chats we discussed what the project description specifies, and builded user stories

Hence our first activity was to develop user stories . As far as group activity is concerned each group member: me , Harshit, Rina and Tushar created 2 user stories and posted it on Trello.

After building the user stories, then comes the second most important component of Agile environment i.e. TASKS and FEATURES . we derived features that needed to be developed, and successively defined tasks that need to be done to develop those features. As a part of our sprint planning we listed all the tasks, created user stories and its features .

For above situation we created user stories , product backlog task that contain all the linked features and then also listed the ownership roles for our team members .

Very quickly I would like to brief few of user stories that our group created :

* Rhiannon (Customer) - As a customer, I want an efficient notification system so I can guarantee my safety
* Holden (Manufacturer) - As a manufacturer, I want to be able to register new recalls manually if the need arises
* All Users - I need the site to be visually appealing so it is easier to use

Some of the tasks we have included are like registration portal , notification, customer database , vehicle database and many more . what more on our Trello board we have also broken down the whole situation into 2 sprints and hence divided the work for our team to operate efficiently. Moreover with each task we have also incorporated lot of features

After developing all the tasks and stories we wrote them on our Trello board and have also used different colour labels like green , red , yellow for unique identification thereby highlighting each story and feature .

After this in order to assign tasks to each team member we did group calls on MS teams to discuss what each member is comfortable and capable of. For instance Tushar has upper hand in database management skills and has mastered in SQl and postgreSQl so we decided to give him BACK END . then my fellow colleague Rina possess exemplary knowledge of designing and editing tools like HTMl , java , CSS so there was no one better than her to handle FRONT END . what more Harshit has excellent communication skills and user Experience and he has also mastered Data base systems so he was assigned COMMUNICATION and BACK END . I being very well equipped with cyber security concepts and defences decided to take the SECURITY role.

As far as team activities are concerned we all made extensive use of MS teams , did lot of group calls and posted everything on group chat updating everyone about the progress. Everyone has definitely contributed like for eg: everyone collectively wrote things on Trello Board , Rina and Tushar worked on Sprint 1 draft whereas me and Harshit worked for the content and final presentation .

For our overall sprint planning we used resources like Trello Boards and probably plan to use GitHub in near future for some of our extended activities of the project . for the content and research work we used different websites like Atlassian .com and many more . also Youtube videos played an instrumental role in developing our Trello board.

To be honest working with the team on a project like this was a great experience for my learning curve but as a team we did struggle and had issues during our operation. Firstly due to COVID it was difficult for us to adapt to this system of online learning and doing a group assignment made it even worse . although MS teams is effective communication tool but its difficult to communicate with everyone at the same time due to widespread differences in everyone’s daily availability. Moreover working in a scrum environment as compared to traditional methods was a bit challenging for our group as well.

That was all for sprint 1 and then Going into sprint 2 with an idea of what we had the most trouble with will ultimately help in our planning and execution of the sprint. Firstly, while most of sprint 1 revolved around the idea of basic design and functionality in the website, sprint 2 will be focused more on the finer details, security and UI of the site. As a result of this, we will need to set up a github for the sprint as we get into more complicated iterations and versions of the codebase. In a team sense, we will need to be more responsible for our parts so that projects can be completed on time.