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ASSIGNMENT - I

GOOGLE

Project Management Methodology used : Agile

Google follows an Agile methodology for its software project management, which is a flexible and iterative approach that allows for changes and adjustments to be made throughout the development process.

Project Management and Development tools used for design, testing and analysis :

Google has a wide range of tools for project management and development including :

Google cloud Platform for hosting and deployment.

Github for version control and collaboration

JIRA for project tracking and issue management

Jenkins for continuous integration and continuous delivery

Selenium for testing and automation

Google analytics for data analysis and tracking

How they assess Risk and Cost estimation :

Google uses a data-driven approach to assess risk and cost estimation.

They use advanced analytics and machine learning algorithms to analyse large amounts of data, identify patterns and trends and make informed decisions.

Google also uses a thorough risk management process, which includes regular assessments of projects progress, identification of potential risks and implementation of mitigation strategies.

IBM:

Project Management Methodology : Hybrid

IBM uses a hybrid approach to project management, combining elements of both traditional and agile methodologies.

This allows them to balance the need for structure and planning with flexibility and adaptability of agile.

Development tools :

IBM uses a combination of in-house and third-party tools for project management and development, including :

IBM Rational for software development and design

IBM UrbanCode for continuous delivery and deployment

IBM AppScan for security testing

IBM Cloud for hosting and deployment

How they assess Risk:

IBM uses a comprehensive risk management process, including regular risk assessment and contingency planning.

They also use a combination of historical data and expert judgement to estimate costs and make informed decisions about resource allocation and project budgeting.

Infosys :

Project Management used : Agile

Infosys follows agile methodology for its software project management. It allows for increased flexibility, collaboration and continuous improvement throughout the development process.

Management and development tools :

- JIRA for project tracking and issue management
- Github for version control and collaboration
- Microsoft Azure DevOps for continuous integration and delivery
- Selenium for testing and automation.
- Infosys Nia for AI-powered analysis

How they assess risk and cost estimation :

Infosys uses a data-driven approach to assess risk and cost estimation. They leverage advanced analytics and machine learning algorithms to analyse data and identify potential risks.

Infosys also uses a thorough risk management process, including risk assessments and mitigation planning, to minimize potential risks and ensure project success.