

Understand users, the market place, the competition and future trends for the domain

Automate deployment scripts

Analyze the results of automated tests

Automate integration tests

Apply responsive user interface design principles

Automate regression tests

Assess impact of technology choices

Backup and restore website files

Automate acceptance tests

Build closer collaboration across roles, functions and teams in the broader organization

Build sitemaps, prototypes, wire-frames, and create documentation that articulates the site structure

Conduct unit testing

Champion information radiators that will provide information for the team and for stakeholders

Configure, use, and manage test environments and test data

Check for slow queries and develop solutions to speed up processes

Convert design files into HTML, JavaScript and/ or CSS code

Choose color palettes, photos, graphics and font for the front end

Create a user interface pattern library

Code and create visual front-end elements or user interfaces

Create customer journey maps

Create database schemas

Create wireframe guidelines

Create different automation suites, such as smoke pack, full regression pack, end-to-end regression pack, etc.

Decide if requirement models are useful beyond a sprint or release

Create low fidelity wireframes

Decide whether a requirement should be included on the product backlog

Create paper prototypes

Define criteria that must be met for each story to be considered "done"

Create the product roadmap

Define, design and execute usability testing

Design and execute manual tests

Determine which tests should be automated at which layer

Design and implement security and data protection measures

Determine which users should and shouldn't be able to use the functionality

Design application interfaces to cater for users with a disability

Develop and maintain automated tests

Design the end-to-end experience for a product

Develop and maintain the central database

Determine which business processes need to be revised, created or eliminated

Develop APIs (Application Program Interface)

Assess and improve software performance

Fix front end issues

Develop, deploy and maintain a CMS (Content management system)

Generate analytics and statistics e.g. server load, number of visitors, etc.

Educate the Product Owner and business stakeholders on technical debt and how to avoid/ manage it

Have conversations with stakeholders impacted by the new feature

Ensure the process works for the team e.g. Scrum, Kanban

Help the team improve by assisting them to identify issues and action items

Explore unintended consequences behind delivering stories or product backlog items

Identify and resolve defects

Identify the iteration in which each story or product backlog item may be delivered

Manage hosting environment, including database administration

Identify user interface issues

Manage versions of code

Implement and update the test strategy

Measure test coverage across all applicable coverage dimensions

Integrate customer facing elements through server side logic

Meet with stakeholders and leaders to remove impediments that prevent the team from making progress

Integrate frontend elements

Prepare test data

Prioritize product backlog items based on a number of factors e.g. increase revenue, reduce cost, reduce risk, improve customer experience, comply with legislation, etc.

Split stories or product backlog items e.g. along operational or data boundaries

Protect the team by helping stakeholders understand and respect this new way of working

Study the product market and monitor what competitors are doing

Protect the team from distractions (both external and internal)

Teach and coach the team and external stakeholders on an Agile way of working

Provide an indication to stakeholders on when specific stories are targeted for delivery

Test APIs

Add examples to product backlog items

Test for multi-device and cross-browser capability

Track product performance

Use corporate branding and style guides to ensure consistency

Translate "business speak" into "technical speak" and vice versa

Work with leadership to get tools and training for the team

Troubleshoot front end issues

Write code that meets the overall engineering standards and guidelines

Understand and describe the business domain

Write user stories or product backlog items

Understand the goals of the team events and make sure the team is on track towards meeting that goal within the designated time frame

Implement data storage solutions



Conduct code reviews

Focus on the ability of system to handle an increased amount of traffic or processing (scalability)

Ensure technical feasibility of user interface designs

Refactor source code

Maintain design and code documentation

