JetBrains.com – Testing Priorities (Interview Assignment – Part 1)

1) Key Website Areas

From my review of JetBrains.com, the key sections visible on the site are:
• Developer Tools: IDEs, .NET & Visual Studio tools, Team tools.
• Languages: Java, JavaScript, Python, PHP, and more.
• Solutions: For Business, For Education, For Startups, For Enterprises.
• Pricing: subscription and licensing details.
• Download: product downloads and trials.
• Marketplace: JetBrains Marketplace for plugins and extensions.
• Support: documentation, knowledge base, community, and contact.
• Blog: product news, case studies, and updates.
• Language Selector: available in the header to switch localized versions of the site.

2) Testing Focus Areas

From my QA experience, I start with the areas that have the biggest impact on the business and user experience. On JetBrains.com, the language selector is also important since it's always visible in the header.

Tier 1 – Revenue Impact

- Pricing & Buy flows: toggles (monthly/yearly, personal/commercial), VAT/currency display, checkout, and license delivery.
- Language check: make sure plan details, buttons, and terms switch correctly.

Tier 2 – User Adoption

- Downloads: correct installers and versions, trial access.
- Marketplace: plugin search, install links, and billing.
- Language check: menus, instructions, and plugin content update consistently.

Tier 3 – Support

- Support: search results, broken links, localized content.
- Solutions: business/education programs load correctly.
- Language check: docs, forms, and descriptions are properly localized.

Tier 4 – Compliance

- Compliance: cookie banner, privacy terms, accessibility, no broken links.
- Language check: footer text, banner text, and policy pages adapt to the chosen language.

3) Manual vs. Automated Testing Strategy

From experience, automation works best on stable, repeatable flows, while manual testing is better for content and visual checks.

- **Automated (~70%)**: pricing and checkout (happy/negative paths), key download links, plugin marketplace (search/install), cookie banner checks, and sample language selector checks across main pages.
- **Manual (~30%)**: new promotions, blog and marketing content, education/startup solutions, and exploratory testing on localized pages.

4) QA Prioritization Strategy

I apply a scoring system: Risk × Impact × Frequency × Stability (1–5 each). Highest totals get automated first.
• **Phase 1**: Buy flow routing, plan toggles, checkout success/decline, price & VAT display, top downloads, plugin marketplace search, and core language selector checks.
• **Phase 2**: broader locale pricing, solutions (business/education), accessibility checks in localized contexts.
• **Phase 3:** support content checks, blog usability, and consistency of localized pages across languages

5) Proposed Smoke Test Suite

1. Product page "Buy" → correct Pricing/Buy page.
2. Plan toggle Monthly↔Yearly updates prices consistently.
3. Checkout success → confirmation delivered.
4. Checkout decline → proper error message and retry option.
5. Download buttons lead to correct product downloads for Win/Mac/Linux.
6. Marketplace plugin search returns results; install link valid.
7. Support docs search works; no broken link on homepage.
8. Language selector updates navigation/menu labels, pricing text, marketplace categories, support docs, and footer links consistently across pages.

Conclusion & Recommendations

Based on my review and past QA experience, I'd prioritize Pricing/Buy (revenue), Download (adoption), and Support (trust). Marketplace, Solutions, Blog, and Compliance/Quality remain secondary but visible. At every level I would include language selector validation, since localization is built into the site's navigation and directly affects usability.