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TOPIC:

Strategy Versioning

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SUBJECT:

Desarrollo Móvil Integral

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Strategy for Versioning in GitHub

Versioning is a critical aspect of managing software projects, ensuring clarity, organization, and control over the evolution of code. Using versioning strategies in GitHub helps teams coordinate development, maintain compatibility, and release software systematically.

What is Versioning?

Versioning involves assigning unique identifiers to different states of a project, often using **Semantic Versioning (SemVer)**. The typical version format is MAJOR.MINOR.PATCH:

1. **MAJOR**: Increments for incompatible API changes.
2. **MINOR**: Increments for backward-compatible feature additions.
3. **PATCH**: Increments for backward-compatible bug fixes.

Why GitHub Versioning Matters

- **Collaboration**: Ensures clear communication among team members about the current state of the project.
- **Traceability**: Allows easy tracking of changes and debugging.
- **Deployment Control**: Facilitates systematic rollouts and rollbacks.

Conclusion

A robust versioning strategy in GitHub, using semantic versioning, proper branching, tagging, and release management, ensures clarity, reliability, and efficient collaboration. By automating tasks and maintaining consistent practices, teams can streamline their workflows and deliver high-quality software.