CHEAT SHEETS HERO — Bazaar Version Control Cheatsheet

A quick reference guide to Bazaar (bzr), a distributed version control system, covering common commands and workflows.

Basic Commands

Branch Creation and Setup

`bzr init`	Initialize a new Bazaar repository in the current directory.
`bzr branch <source> [<branch_name>]`	Create a branch from the specified source (another branch or repository). If `<branch_name>` is omitted, it branches into the current directory.
`bzr checkout <branch_url>`	Create a local working copy from a remote branch.

Making Changes

`bzr add <file>`	Add a new file to version control.
`bzr add`	Add all unversioned files in the current directory.
`bzr remove <file>`	Remove a file from version control.
`bzr rename <old_file> <new_file>`	Rename a file and track the rename in version control.
`bzr status`	Show the status of the working tree (modified, added, removed files).

Committing and Pushing

`bzr commit -m "<message>"`	Commit changes to the local branch with a descriptive message.
`bzr push <target_url>`	Push committed changes to a remote branch. `<target_url>` is the remote repository URL.
`bzr pull`	Pull changes from the parent branch into the current branch, merging automatically if possible.

Branch Management and Inspection

Branch Information

`bzr info`	Display information about the current branch, including the parent branch.
`bzr log`	Show the commit history of the current branch.
`bzr revisions`	List the revisions in a branch.

Merging and Conflicts

`bzr merge <source_branch>`	Merge changes from `<source_branch>` into the current branch.
`bzr resolve`	Mark conflicts as resolved after manually editing the conflicted files.
`bzr commit -m "Merged <source_branch>"`	Commit the merged changes, including conflict resolutions.

Working with Tags

`bzr tag <tag_name>`	Create a tag at the current revision.
`bzr tags`	List available tags in the branch.
`bzr checkout -r <tag_name>`	Checkout the branch at a specific tag.

Advanced Operations

Ignoring Files

Create a `.bzrignore` file in the root of your branch to specify files and patterns to ignore.

Example:

```
*.log
temp/
```

Shelving Changes

`bzr shelve`	Shelve (stash) current changes. It stores the uncommitted changes.
`bzr unshelve`	Unshelve the last shelved changes.
`bzr shelve -l`	List all shelved change sets.

Revert

`bzr revert <file>`	Revert changes in a specific file to the last committed version.
`bzr revert`	Revert all uncommitted changes in the working directory.

Remote Repositories

Working with Remote Branches

`bzr pull <remote_branch>`	Pull changes from a remote branch into the current branch.
`bzr push <remote_branch>`	Push changes to a remote branch.
`bzr update`	Update the local branch with the latest changes from the parent branch. Similar to `bzr pull` but more focused on keeping the branch synchronized with its parent.

Creating and Sharing Bundles

`bzr bundle --create <bundle_file>`	Create a bundle file containing the changesets in the branch. Useful for transferring changes without direct network access.
`bzr apply <bundle_file>`	Apply a bundle file to the current branch, integrating the changesets.