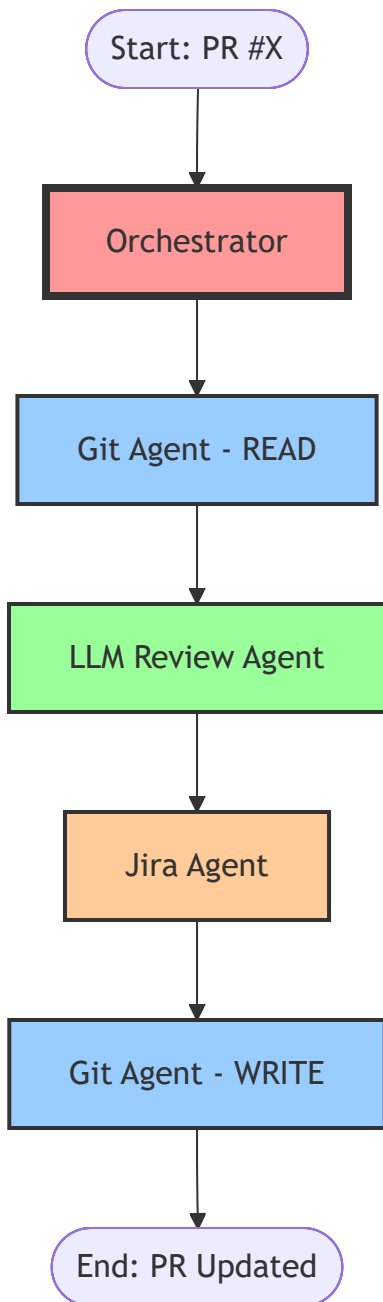
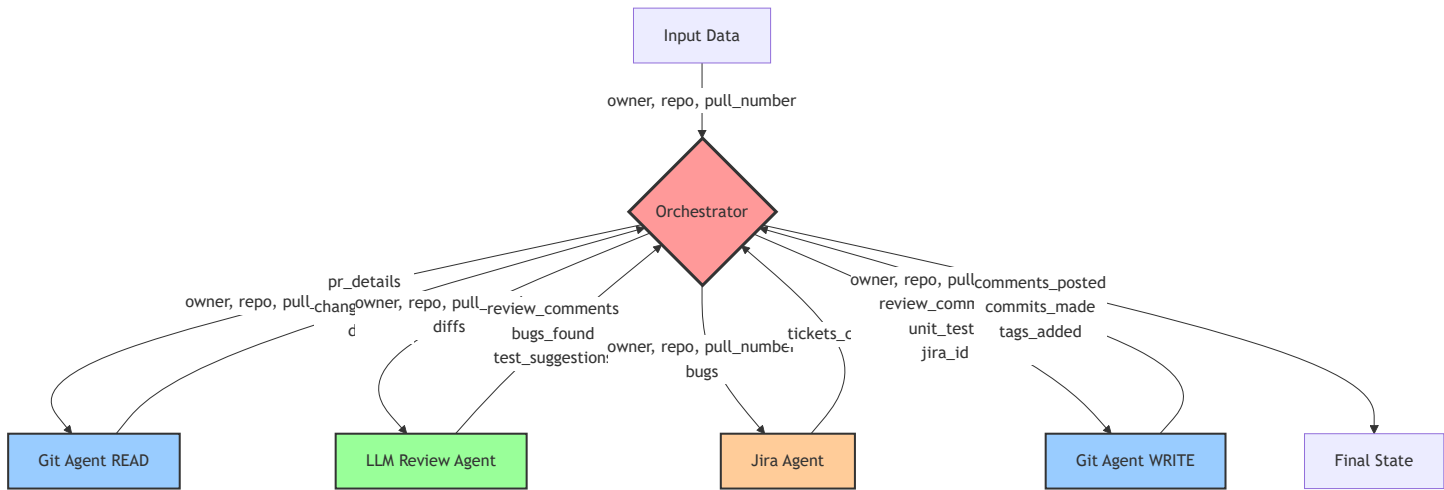


ReviewerAgent - Architecture Diagram

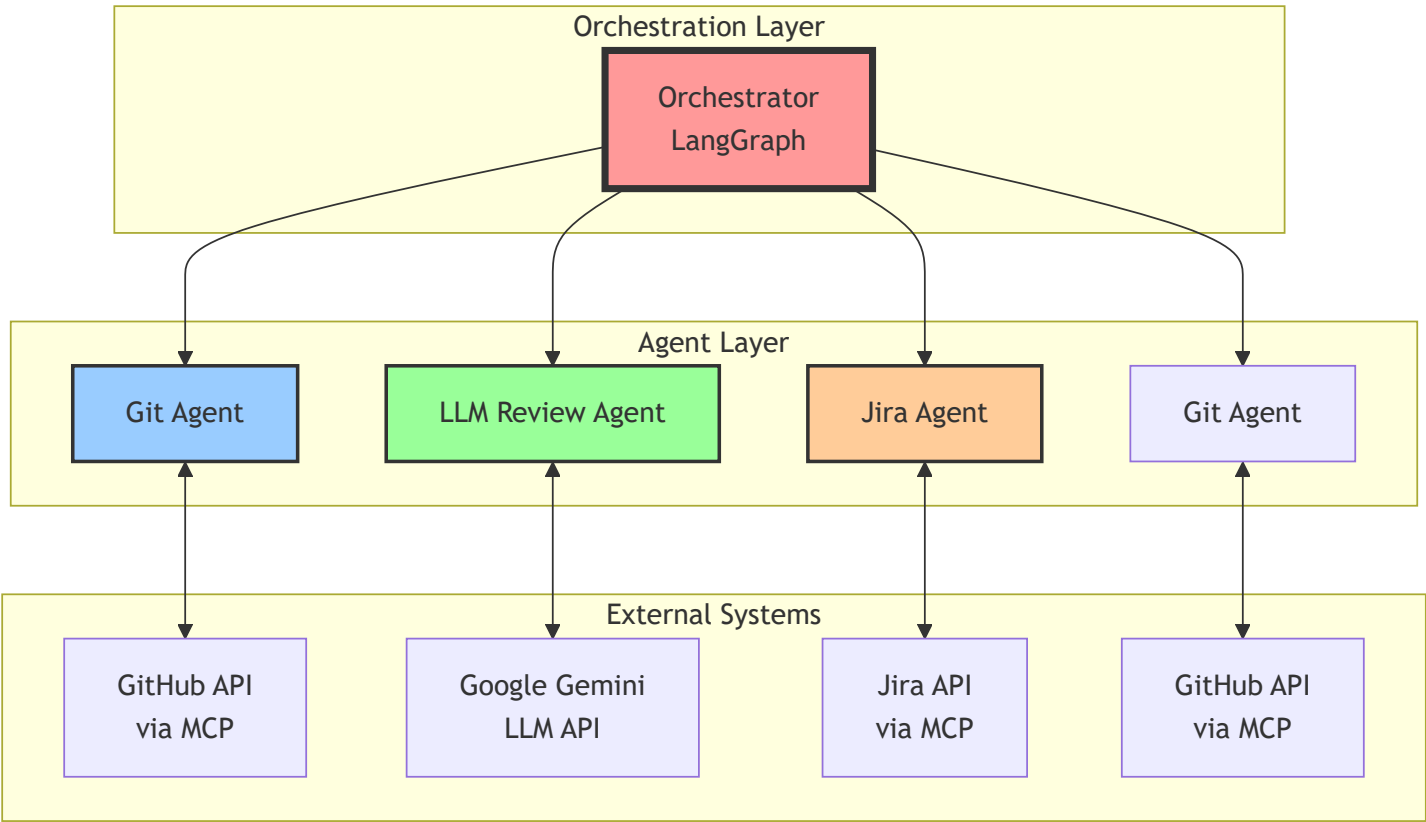
High-Level Architecture



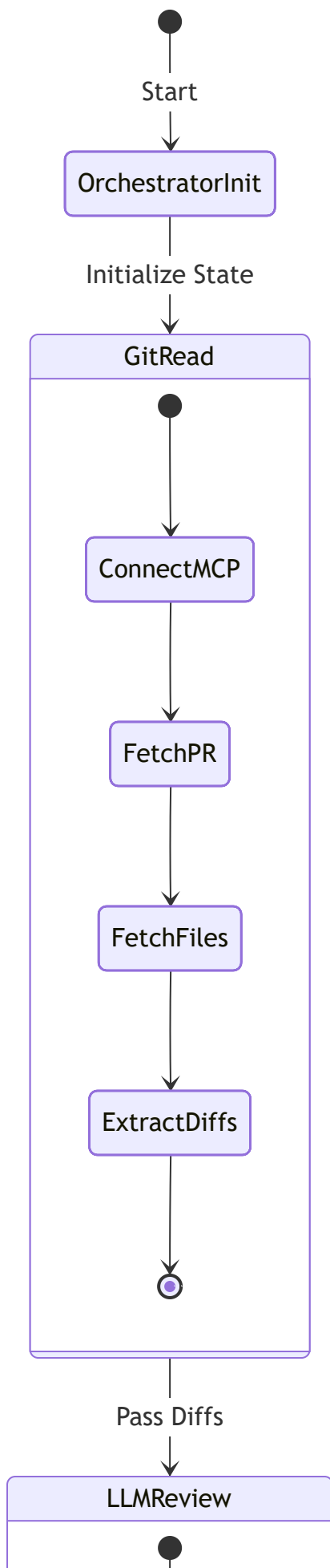
Data Schema Flow

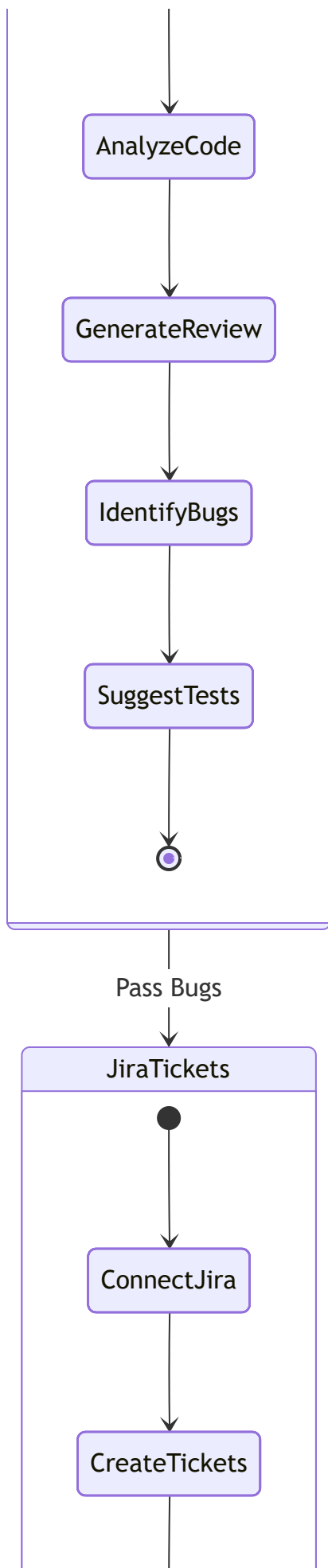


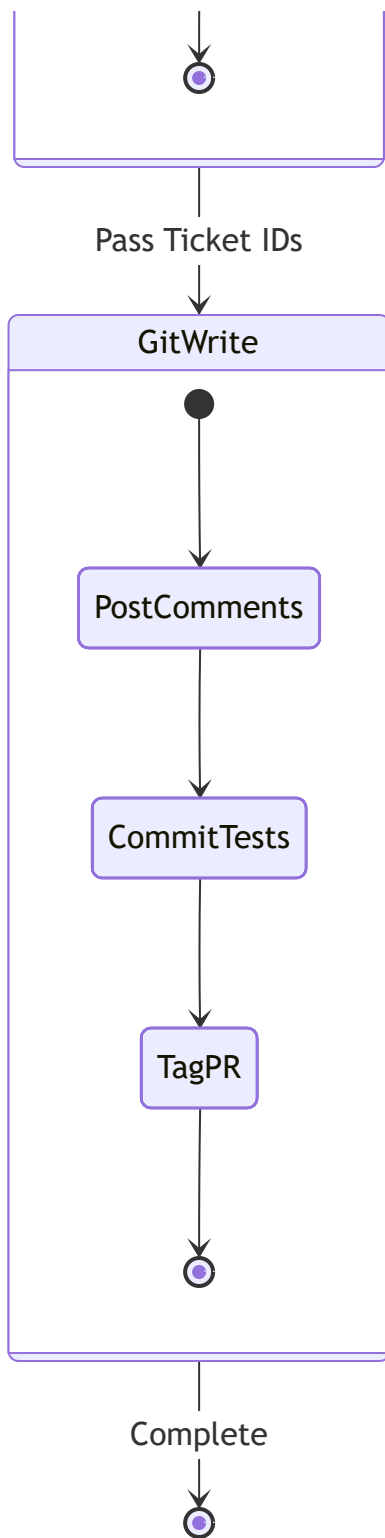
Component Interaction Map



State Management







Legend

- **Red** = Orchestrator (Main coordinator)
- **Blue** = Git Agent (GitHub integration)
- **Green** = LLM Review Agent (AI analysis)
- **Orange** = Jira Agent (Ticket management)

Key Data Structures

OrchestratorState

```
{
  owner: str
  repo: str
  pull_number: int
  git_read_result: {pr_details, changed_files, diffs}
  llm_review_result: {comments, tests, bugs}
  jira_result: {tickets_created}
  git_write_result: {comments_posted, commits_made, tags_added}
}
```

GitAgentState

```
{
  owner, repo, pull_number
  client: MCP Client
  pr_details, changed_files, diffs (READ)
  review_comments, unit_tests, jira_id (WRITE)
  comments_posted, commits_made, tags_added (OUTPUT)
}
```

LLMReviewAgentState

```
{
  owner, repo, pull_number
  diffs (INPUT)
  llm_analysis
  review_comments, bugs_found, test_suggestions (OUTPUT)
}
```

JiraAgentState

```
{
  owner, repo, pull_number
  bugs  (INPUT)
  jira_client
  tickets_created  (OUTPUT)
}
```