

**Goal:** Allow to log in.

**The client wants to log in to  
access account features**



- Code the database user table (2 p-h)
- Code the user domain object (1 p-h)
- Code user security options (4 p-h)
- Code login UI (2 p-h)
- Code test cases (1 p-h)

**Goal:** Create Account

**The client can create an account  
for other users to view the  
hotspotter results**



- Code admin server-side API (2 p-h)
- Code admin panel UI (2 p-h)
- Code test cases (1 p-h)

**Goal:** Add Repository

**The client adds a new repository  
to the database via web interface**



- Code the database table to store repo info (2 p-h)
- Code repo domain object (1 p-h)
- Code git services (8 p-h)
- Code repo entry UI (3 p-h)
- Code test cases (1 p-h)

**Goal: Manage Repository**

**The client can update/remove a repository from the database and change the automatic sync timeframe**



- Code repo admin server API (5 p-h)
- Code repo admin UI (4 p-h)
- Code test cases (1 p-h)

**Goal: System Sync Repository**

**The system automatically retrieves and update the repo in database based off the current git repo**



- Code batch job (10 p-h)
- Code server API to work with batch job (5 p-h)
- Code front end UI to manage batch jobs (5 p-h)
- Code test cases (2 p-h)

**Goal: System Retrieve Repo**

**The System clones a copy of the git repo on server**



- Code batch job to clone repo (5 p-h)
- Code server service to quality check repo (5 p-h)
- Code test cases (2 p-h)

**Goal:** System analyze repo

**The system will store the repo into the database for persistent history**



- Code database tables to hold specific aspect (3 p-h)
- Code batch job to massage data and store in database (5 p-h)

**Goal:** View Hotspot results

**The client can filter the results based off of different criteria**



- Code server side API to retrieve data from database (15 p-h)
- Code client side to call for the data (15 p-h)
- Code UI that will show the repository in a tree format (20 p-h)
- Code searchable facets (10 p-h)
- Code test cases (5 p-h)

**Goal:** Save Result History

**The system automatically saves certain user defined results in the database**



- Code server side API save functions (10 p-h)
- Code test cases (2 p-h)

**Goal:** View previous results and history

**The client can view previous results from specific repositories**



- Code server side history API (5 p-h)
- Code test cases (1 p-h)

**Goal:** Save Result Snapshot

**The client can permanently save results locally**



- Code sever side API to export results (10 p-h)
- Code UI for saving export results (5 p-h)
- Code test cases (3 p-h)

**Goal:** Export Result

**The client can download the text/visual results and save them locally**



- Code saved results to database (5 p-h)
- Code server api to export into excel format (10 p-h)
- Code save UI to search saved for saved results (5 p-h)
- Code test cases (2 p-h)