Section

A Section is a container of Boards

- Name
- Is Visible
- Order
- Boards (Array of Board)

Not needed: Abbreviation
(just use the generated id)

TextBoard

Image Board

Board Renderers

Upload Board

Oekaki

Board

A Board is a container of Posts

Provided:
- Name (directory)
- Description (title)
- Type
- Starting ID
- Created At

Display Options
- Section ID
- Order
- Header Image
- Include Header
- Default Style
- Locale
- Show ID
- Anonymous (default name)

Limits
- Max Message Length
- Max Thread Age
- Max Pages
- Mark Page
- Max Files (attachments)
- Max Upload Size
- Max Replies

Features:
- Enable Reporting
- Enable No File Posting
- Enable Catalog
- Enable Archiving
- Redirect to Thread
- Forced Anon

Refactor out:
- Allowed Embeds
- Enable Captcha (site-level)

??
- Upload type

Remove
- Compact List
- Trial
- Popular

Methods
- LoadBoard(board_id)
- NewBoard
- GetAllThreads()
- GetPageThreads(page_number, threads_per_page_limit)
-

BoardOption

A Board Option is a key:value pair that is used to control behavior of a Board

Board Option keys are all strings, and values are of variable type (ultimately stringified)

May not need to be a standalone class, just a pattern

Generic

File

Attachment

An *Attachment* is some sort of multimedia "rider" to a *Post*. Examples include files, images, videos, multimedia embeds.

Image

Embed

Post

A *Post* is a message that a user submits to a board.

User-supplied:
- Message
- Subject
- Name
- Tripcode
- Email
- Password
- Attachments

Captured:
- Board
- IP
- IP MD5
- Parent ID (thread replies)

Mod-managed:
- Authority
- Deleted
- Reviewed
- Stickied (thread)
- Locked (thread)

Auto-managed:
- ID
- Created At
- Deleted At
- Reviewed At
- Bumped At (thread)

Attachments (array of Attachment)

Mentions (array of key:value board_id:post_id)

To cut:
- Tags (thread)

Methods
- LoadPost(board_id, post_id): Return a Post Object based on an existing Post ID/Board ID
- NewPost(board_id, parent_id = 0): Create a new Post object with the passed values
- SavePost: Save the post object to the database
- DeletePost(board_id, post_id): Delete the post with a given board and post ID from the database

Thread

A Thread is a collection of posts

A Thread extends a Post with
- Stickied
- Locked
- Bumped At
- Replies (array of posts)
- Omitted details (count of replies, attachments, etc)

Methods
- LoadThread(post_id)
- GetAllReplies()
- GetFirstNReplies(N)
- GetLastNReplies(N)
- LockThread(post_id)
- StickyThread(post_id)
- BumpThread(post_id)

Reply

A Reply is a Post that responds to a thread.

A reply has one additional properties vs. a Post: Parent ID

Does it need to be a separate class then?