Manga

Bash script to download mangas from mangaread.org

dependencies: curl sed grep head sort awk optional: parallel

mangaread-downloader.sh

```
#!/usr/bin/env bash
#
# mangareader-downloader.sh
# Downloader for mangaread.org
#
# Usage: ./mangareader-downloader.sh [-v] [-f] [-j N] [-r RETRIES]
<manga-url-or-name-or-url> [chapter-range]
# Options:
#   -v         verbose
#   -f         force (re-download chapters; deletes chapter folder
before download)
#   -j N       concurrency (parallel jobs, default 3)
#   -r N       retries per image (default 3)
#
set -euo pipefail

VERBOSE=0
FORCE=0
JOBS=3
RETRIES=3
UA="Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/121.0 Safari/537.36"

usage() {
  cat <<USAGE
Usage: $0 [-v] [-f] [-j N] [-r RETRIES] <manga-url-or-name-or-url>
[chapter-range]
Examples:
  $0 the-beginning-after-the-end
  $0 -v -j 4 -r 3 the-beginning-after-the-end 84
  $0 -f the-beginning-after-the-end 84
USAGE
  exit 1
}

while getopts ":vfj:r:" opt; do
  case ${opt} in
    v ) VERBOSE=1 ;;
    f ) FORCE=1 ;;
    j ) JOBS="$OPTARG" ;;
    r ) RETRIES="$OPTARG" ;;
```

```
    \? ) echo "Invalid option: -$OPTARG" >&2; usage ;;
  esac
done
shift $((OPTIND-1))

if [[ $# -lt 1 ]]; then usage; fi
INPUT="$1"
CHAP_RANGE="${2:-}"

logv() { [[ $VERBOSE -eq 1 ]] && echo "$@"; }
err() { echo "ERROR: $@" >&2; }

slugify() {
  echo "$1" | tr '[:upper:]' '[:lower:]' | sed -E 's/[^a-z0-9]+/-/g;
s/^-+|-+$//g'
}

norm_url() {
  local u="$1"
  if [[ "$u" =~ ^/ ]]; then
    echo "https://www.mangaread.org${u}"
  else
    echo "$u"
  fi
}

# Determine manga URL & slug
if [[ "$INPUT" =~ ^https?:// ]]; then
  MANGA_URL="$INPUT"
  [[ "${MANGA_URL: -1}" != "/" ]] && MANGA_URL="${MANGA_URL}/"
  SLUG=$(echo "$MANGA_URL" | sed -E 's:/*$::' | awk -F/ '{print $NF}')
else
  SLUG=$(slugify "$INPUT")
  MANGA_URL="https://www.mangaread.org/manga/$SLUG/"
fi

echo "Fetching manga page: $MANGA_URL"
HTML=$(curl -sL --fail -A "$UA" "$MANGA_URL" 2>/dev/null) || {
  err "Failed to fetch $MANGA_URL — check URL or network."
  exit 1
}

# find <li> blocks referencing /manga/<slug>/chapter
LI_BLOCKS=$(echo "$HTML" | tr '\n' ' ' | sed -E
's/<li([^>]*)>/\n<li\1>/g' | grep -i "/manga/$SLUG/chapter" || true)
if [[ -z "$LI_BLOCKS" ]]; then
  err "No chapter blocks found for '/manga/$SLUG/chapter'. The page
layout may have changed."
  exit 1
fi
```

```
declare -A CHAP_URL CHAP_TITLE CHAP_DATE
CHAP_ORDER=()

while IFS= read -r li; do
  href=$(echo "$li" | grep -oP 'href\s*=\s*["'\'']?[^"'\''
>]*'"$SLUG"'/chapter[^"'\'' >]*["'\'']?' | head -n1 || true)
  href=${href#href=} ; href=${href#\"} ; href=${href#\'} ;
href=${href%\"} ; href=${href%\'} 2>/dev/null || true
  [[ -z "$href" ]] && continue
  url=$(norm_url "$href")

  title=$(echo "$li" | grep -oP '<a[^>]*>.*?</a>' | sed -E
's/<[^>]*>//g' | sed -E 's/^[[:space:]]+|[[:space:]]+$//g' | head -n1)
  date=$(echo "$li" | grep -oP '\d{1,2}\.\d{1,2}\.\d{4}' | head -n1 ||
true)

  if [[ "$title" =~ [Cc]hapter[[:space:]]*([0-9]+(\.[0-9]+)?) ]]; then
    chap="${BASH_REMATCH[1]}"
  else
    chap="unknown-$(printf '%03d' $((RANDOM%900+100)))"
  fi

  if [[ -z "${CHAP_URL[$chap]:-}" ]]; then
    CHAP_URL[$chap]="$url"
    CHAP_TITLE[$chap]="$title"
    CHAP_DATE[$chap]="$date"
    CHAP_ORDER+=("$chap")
    logv "Found chapter: $chap -> $url  (${date:-no-date})"
  fi
done <<< "$LI_BLOCKS"

if [[ ${#CHAP_ORDER[@]} -eq 0 ]]; then
  err "No chapters parsed from page."
  exit 1
fi

ALL_CHAPS=($(printf "%s\n" "${CHAP_ORDER[@]}" | sort -V -u))

# Determine SELECTED chapters based on CHAP_RANGE (supports ranges like
10-20, decimals, comma list)
SELECTED=()
if [[ -n "$CHAP_RANGE" ]]; then
  if [[ "$CHAP_RANGE" =~ ^[0-9]+(\.[0-9]+)?-[0-9]+(\.[0-9]+)?$ ]]; then
    START=${CHAP_RANGE%-*}
    END=${CHAP_RANGE#*-}
    in_range() { awk -v v="$1" -v a="$2" -v b="$3" 'BEGIN{ if((v+0)>=
(a+0) && (v+0) <= (b+0)) exit 0; else exit 1 }'; }
    for c in "${ALL_CHAPS[@]}"; do
      if [[ "$c" =~ ^unknown- ]]; then continue; fi
      if in_range "$c" "$START" "$END"; then SELECTED+=("$c"); fi
    done
```

```
  elif [[ "$CHAP_RANGE" == *","* ]]; then
    IFS=',' read -ra items <<< "$CHAP_RANGE"
    for it in "${items[@]}"; do
      it=$(echo "$it" | sed 's/^[[:space:]]*//;s/[[:space:]]*$//')
      [[ -n "${CHAP_URL[$it]:-}" ]] && SELECTED+=("$it") || logv
"Requested chapter $it not found (skipping)"
    done
  else
    if [[ -n "${CHAP_URL[$CHAP_RANGE]:-}" ]]; then
SELECTED+=("$CHAP_RANGE"); else err "Requested chapter '$CHAP_RANGE'
not found."; exit 1; fi
  fi
else
  SELECTED=("${ALL_CHAPS[@]}")
fi

if [[ ${#SELECTED[@]} -eq 0 ]]; then err "No chapters selected (after
applying range/filter)."; exit 1; fi

OUTDIR="$SLUG"
mkdir -p "$OUTDIR"

# check for GNU parallel
if command -v parallel >/dev/null 2>&1; then
  PARALLEL_AVAILABLE=1
else
  PARALLEL_AVAILABLE=0
  logv "GNU parallel not found — falling back to sequential downloads."
fi

# download_chapter: fetch a single chapter page (no pagination) and
download all <img class="wp-manga-chapter-img">
download_chapter() {
  local chap="$1"
  local url="${CHAP_URL[$chap]}"

  # create padded folder name: integer -> zero-pad to 3 digits;
decimals keep fraction
  local safechap
  if [[ "$chap" =~ ^([0-9]+)(\.[0-9]+)?$ ]]; then
    ip="${BASH_REMATCH[1]}"; fp="${BASH_REMATCH[2]}"
    safechap=$(printf "%03d%s" "$ip" "$fp")
  else
    safechap="$chap"
  fi
  local folder="$OUTDIR/chapter-$safechap"

  echo "=== Chapter $chap: ${CHAP_TITLE[$chap]:-N/A}
(${CHAP_DATE[$chap]:-no-date}) ==="
  logv "Chapter URL: $url"
```

```
  if [[ $FORCE -eq 1 ]]; then rm -rf "$folder"; fi
  mkdir -p "$folder"
  if [[ -n "$(ls -A "$folder" 2>/dev/null)" && $FORCE -eq 0 ]]; then
    echo "⏭ Skipping chapter $chap — folder '$folder' not empty
(resume)."
    return
  fi

  pagehtml=$(curl -sL --fail -A "$UA" "$url" 2>/dev/null) || {
    err "Failed to fetch chapter page: $url"
    return
  }

  # Normalize whitespace to catch src attributes split across lines
  cleanhtml=$(echo "$pagehtml" | tr '\n\r\t' ' ' | sed -E 's/[ ]+/ /g')

  # Extract image URLs only from wp-manga-chapter-img
  mapfile -t imgs < <(
    echo "$cleanhtml" |
      grep -oP '<img[^>]+class="[^"]*wp-manga-chapter-img[^"]*"[^>]*>'
|
      sed -E 's/.*(data-src|data-lazy-src|data-
original|src)=["'\'']([^"'\'']+)["'\''].*/\2/'
  )

  if [[ ${#imgs[@]} -eq 0 ]]; then
    err "No chapter images found for chapter $chap (parsing failed or
layout changed)."
    return
  fi

  echo "Found ${#imgs[@]} images. Downloading (concurrency: $JOBS,
retries: $RETRIES)..."

  TMPFILE=$(mktemp)
  idx=1
  for u in "${imgs[@]}"; do
    # make sure to trim any stray whitespace (this is the critical fix)
    u=$(printf "%s" "$u" | sed -E 's/^[[:space:]]+//;
s/[[:space:]]+$//; s/&amp;/\&/g')
    [[ -z "$u" ]] && continue

    ext=$(echo "${u##*.}" | sed -E 's/\?.*$//' | tr '[:upper:]'
'[:lower:]')
    if ! [[ "$ext" =~ ^(jpg|jpeg|png|webp)$ ]]; then ext="jpg"; fi
    fname=$(printf "%03d.%s" "$idx" "$ext")
    out="$folder/$fname"
    printf "%d\t%s\t%s\n" "$idx" "$u" "$out" >> "$TMPFILE"
    idx=$((idx+1))
  done
```

```
  if [[ $PARALLEL_AVAILABLE -eq 1 ]]; then
    parallel -j "$JOBS" --colsep $'\t' \
'   bash -c '\''idx="$1"; url="$2"; out="$3";
      if [[ -f "$out" ]]; then
        echo "   $out already exists";
      else
        attempts=0; ok=0;
        while [[ $attempts -lt '"$RETRIES"' ]]; do
          attempts=$((attempts+1));
          echo "   $  $out (attempt $attempts)";
          if curl -sL --fail -A "'"$UA"'" "$url" -o "$out"; then ok=1;
break; else echo "   attempt $attempts failed for $url" >&2; sleep 1;
fi;
        done;
        if [[ $ok -ne 1 ]]; then echo "   All attempts failed for
$url" >&2; rm -f "$out"; fi;
      fi
    '\'' _ {1} {2} {3}' :::: "$TMPFILE"
  else
    # sequential fallback
    while IFS=$'\t' read -r idx url out; do
      if [[ -f "$out" ]]; then
        echo "   $out already exists"
        continue
      fi
      attempts=0; ok=0
      while [[ $attempts -lt $RETRIES ]]; do
        attempts=$((attempts+1))
        echo "   $  $out (attempt $attempts)"
        if curl -sL --fail -A "$UA" "$url" -o "$out"; then ok=1; break;
else echo "   attempt $attempts failed for $url" >&2; sleep 1; fi
      done
      if [[ $ok -ne 1 ]]; then echo "   All attempts failed for $url"
>&2; rm -f "$out"; fi
    done < "$TMPFILE"
  fi

  rm -f "$TMPFILE"
  echo " Finished chapter $chap"
}

TOTAL=${#SELECTED[@]}
i=0
for chap in "${SELECTED[@]}"; do
  i=$((i+1))
  echo ""
  echo ">> ($i/$TOTAL) processing chapter $chap"
  download_chapter "$chap"
  sleep $((1 + RANDOM % 2))
done
```

```
echo ""
echo "All done — saved under: $OUTDIR"
```